

ALASKA PENINSULA MANAGEMENT AREA  
SALMON ESCAPEMENT AND CATCH SAMPLING RESULTS, 2001

by

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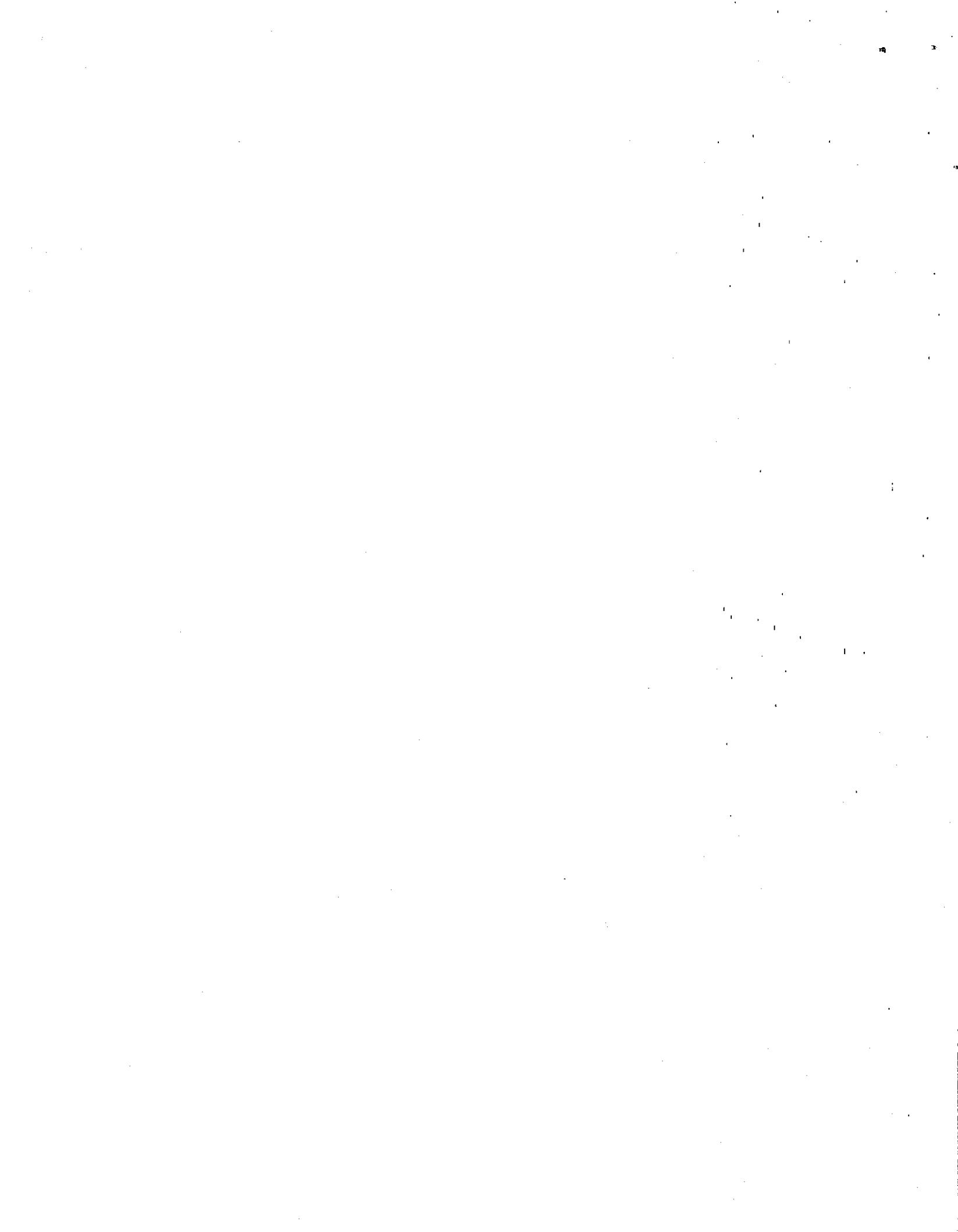
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## TABLE OF CONTENTS

	<u>Page</u>
LIST OF TABLES.....	i
LIST OF FIGURES .....	v
ABSTRACT .....	1
INTRODUCTION.....	2
METHODS .....	2
Adult Salmon Escapement and Catch Estimates.....	2
Adult Salmon Escapement and Catch Sampling.....	3
Juvenile Sockeye Salmon Sampling for Age, Size, and Condition .....	4
Nelson River Sockeye Salmon Run Reconstruction .....	4
Bear Lake Late Sockeye Salmon Run Reconstruction.....	4
RESULTS .....	5
Adult Sockeye Salmon Escapement Abundance, Age, Sex, and Size Data.....	5
Juvenile Sockeye Salmon Age, Size, and Condition.....	5
Commercial Salmon Catch Abundance Data.....	6
Commercial Salmon Catch Age Data.....	6
Chinook Salmon .....	6
Sockeye Salmon.....	6
Coho Salmon .....	6
Chum Salmon .....	6
Nelson River Sockeye Salmon Run Reconstruction .....	7
Bear Lake Late Sockeye Salmon Run Reconstruction.....	7
LITERATURE CITED.....	8
TABLES .....	10
FIGURES .....	68



## LIST OF TABLES

<u>Table</u>		<u>Page</u>
1. Sampling weeks and corresponding calendar dates, 2001.....		10
2. Daily and cumulative sockeye salmon escapement counted through weirs by system, Alaska Peninsula Management Area, 2001.....		11
3. Estimated age composition of sockeye salmon escapement, by system, Alaska Peninsula Management Area, 2001.....		14
4. Estimated age composition of Orzinski Lake sockeye salmon escapement by week, 2001.....		15
5. Estimated age composition of Nelson River sockeye salmon escapement by week, 2001.....		16
6. Estimated age composition of Sandy River sockeye salmon escapement by week through 30 June, 2001.....		17
7. Estimated age composition of Bear Lake sockeye salmon escapement by week, 2001.....		18
8. Estimated age composition of Bear Lake early-run sockeye salmon escapement (through July 31), 2001.....		20
9. Estimated age composition of Bear Lake late-run sockeye salmon escapement (post July 31), 2001.....		21
10. Estimated age composition of Ilnik River sockeye salmon escapement by week, 2001.....		22
11. Length composition of Orzinski Lake sockeye salmon escapement samples by age and sex, 2001.....		23
12. Length composition of Nelson River sockeye salmon escapement samples by age and sex, 2001.....		24
13. Length composition of Sandy River sockeye salmon escapement samples by age and sex, 2001.....		25
14. Length composition of Bear Lake sockeye salmon escapement samples by age and sex, 2001.....		26

## LIST OF TABLES (Cont.)

<u>Table</u>	<u>Page</u>
15. Length composition of Ilnik River sockeye salmon escapement samples by age and sex, 2001.....	27
16. Estimated sex composition of Orzinski Lake sockeye salmon escapement by week, 2001.....	28
17. Estimated sex composition of Nelson River sockeye salmon escapement by week, 2001.....	29
18. Estimated sex composition of Sandy River sockeye salmon escapement by week, 2001.....	30
19. Estimated sex composition of Bear River sockeye salmon escapement by week, 2001.....	31
20. Estimated sex composition of Ilnik River sockeye salmon escapement by week, 2001.....	32
21. Age composition of Blue Bill Lake sockeye salmon carcass otolith samples, 2001 .....	33
22. Age composition of Outer Marker Lake sockeye salmon carcass otolith samples, 2001.....	34
23. Age composition of Sandy River sockeye salmon smolt by week, 2001.....	35
24. Length, weight, and condition factor of Sandy River sockeye salmon smolt, by age and week, 2001.....	36
25. Age composition of Sandy River sockeye salmon smolt by year, 1995-2001.....	37
26. Age composition of Bear Lake sockeye salmon smolt, by week, 2001.....	38
27. Length, weight, and condition of Bear Lake sockeye salmon smolt, by age and week, 2001.....	39
28. Age composition of Bear Lake sockeye salmon smolt, 1967-2001.....	40

## LIST OF TABLES (Cont.)

<u>Table</u>	<u>Page</u>
29. Alaska Peninsula commercial salmon harvest in numbers of fish by statistical area, section, and district, 2001.....	42
30. Estimated age composition of sampled chinook catches by area and date, Alaska Peninsula Management Area, 2001.....	48
31. Estimated age composition of Nelson Lagoon Section (313-30) commercial chinook salmon catch, weeks 25 through 28, 2001.....	49
32. Estimated age composition of Harbor Point-Strogonof Point (314-12 and 315-00 through 316-99) commercial chinook salmon catch, week 26, 2001.....	50
33. Estimated age composition of sampled sockeye salmon catches by area and date, Alaska Peninsula Management Area, 2001.....	51
34. Estimated age composition of Southeastern District Mainland (281-00 through 281-99) commercial sockeye salmon catch, weeks 31 through 37, 2001.....	52
35. Estimated age composition of Shumagin Islands Section (282-00 through 282-99) commercial sockeye salmon catch, weeks 29, 30, 32, and 33, 2001.....	53
36. Estimated age composition of Nelson Lagoon Section (313-30) commercial sockeye salmon catch by week, 2001.....	54
37. Estimated age composition of Harbor Point-Cape Seniavin (314-12 and 315-00 through 315-99) commercial sockeye salmon catch, weeks 25 and 26, 2001.....	56
38. Estimated age composition of Harbor Point-Strogonof Point (314-12 and 315-00 through 316-99) commercial sockeye salmon catch, weeks 26-36, 2001.....	57
39. Estimated age composition of Black Hills Section (313-10) commercial sockeye salmon catch, week 29, 2001.....	58
40. Estimated age composition of Harbor Point-Strogonof Point (314-12 and 315-00 through 316-99) commercial coho salmon catch, weeks 33 through 35, 2001.....	59
41. Estimated age composition of sampled chum salmon catches by area and date, Alaska Peninsula Management Area, 2001.....	60

## LIST OF TABLES (Cont.)

<u>Table</u>	<u>Page</u>
42. Estimated age composition of Black Hills Section (313-10) commercial chum salmon catch, weeks 29 and 30, 2001.....	61
43. Estimated age composition of Harbor Point-Strogonof Point (314-12 and 315-00 through 316-99) commercial chum salmon catch, weeks 28 through 31, 2001.....	62
44. Estimated age composition of Herendeen Bay Section (314-20) commercial chum salmon catch, week 31, 2001.....	63
45. Nelson River sockeye salmon escapement, estimated catch by area, and estimated total run, by age, 2001 .....	64
46. Nelson River sockeye salmon brood table, 1978-2001.....	65
47. Bear River sockeye salmon ate-run catch, escapement, and total run, by age, 2001.....	66
48. Bear Lake late-run (post July 31) sockeye salmon brood table, 1980-2001.....	67

## LIST OF FIGURES

<u>Figure</u>		<u>Page</u>
1. Map of the Alaska Peninsula Management Area, identifying the North and South Peninsula areas and weir locations.....		68
2. Map of the Alaska Peninsula identifying districts and processing facility locations.....		69
3. Map of the Southeastern District Mainland fishery from Kupreanof Point to McGinty Point with the salmon sections defined.....		70
4. Map of the Southeastern District identifying Shumagin Islands Section .....		71
5. Map of the Alaska Peninsula Area from McGinty Point to Arch Point (South Central District) with the statistical salmon fishing areas defined.....		72
6. Map of the Alaska Peninsula Management Area from Arch Point to Cape Pankof Light (Southwestern District) with the statistical salmon fishing areas shown.....		73
7. Map of the Alaska Peninsula Area from Cape Pankof Light to Scotch Cap (Unimak District) with the statistical salmon fishing areas shown.....		74
8. Map of the Alaska Peninsula Management Area from Cape Sarichef to Moffet Point (Northwestern District) with the statistical salmon fishing areas defined.....		75
9. Map of the Alaska Peninsula Management Area from Moffet Point to Cape Menshikof (Northern District) with the statistical salmon fishing areas defined .....		76
10. Nelson River sockeye salmon escapement, catch, and run estimates, 1988 - 2001, and the recent 10-year average estimated run (1991 - 2000). ....		77
11. Bear Lake late-run sockeye salmon escapement, catch, and run estimates, 1988- 2001, and the recent 10-year average estimated run (1991 - 2000).....		77



## ABSTRACT

The Alaska Peninsula sockeye salmon *Oncorhynchus nerka* escapements at Orzinski Lake, Nelson River, Sandy River, Bear Lake, and Ilnik River were sampled for age, sex, and length information. In 2001, 6,224 adult sockeye salmon were sampled, which represented a combined escapement of 602,837 sockeye salmon. Although the predominate age classes varied by system, the combined estimated age classes of these escapements were primarily age 2.2, followed by ages 1.3, 2.3, and 2.1 fish. A combined total of 2,322 outmigrating sockeye salmon smolt were sampled for age, weight, and length data from Bear Lake and Sandy River.

In 2001, approximately 6.8 million salmon were harvested in the Alaska Peninsula area. About 1.8 million of these were sockeye salmon, 3.8 million were pink salmon *O. gorbuscha*, 1.0 million were chum salmon *O. keta*, 231 thousand were coho salmon *O. kisutch*, and 7 thousand were chinook salmon *O. tshawytscha*. Of these adult fish, 10,444 sockeye salmon, 3,779 chum salmon, 1,484 coho salmon, and 959 chinook salmon, were sampled for age information. The age compositions of these samples were used to estimate the age composition of the entire catch. The appropriate sockeye salmon escapement and catch data were combined to estimate the size and age structure of the late run at Bear Lake and the entire run at Nelson River.

## INTRODUCTION

The Alaska Peninsula Management Area consists of the South Alaska Peninsula including coastal waters west of Kupreanof Point to Scotch Cap on Unimak Island and the North Alaska Peninsula extending from Cape Menshikof west to Cape Sarichef (Figures 1-9).

About 247 salmon systems are located throughout the Alaska Peninsula Management Area. The South Peninsula has 185 salmon systems and the North Peninsula 62 systems (Murphy 1992). These systems combined support five commercially important salmon species: chinook *Oncorhynchus tshawytscha*, sockeye *O. nerka*, coho *O. kisutch*, pink *O. gorbuscha*, and chum *O. keta* salmon.

Salmon escapement is estimated through the use of fish weirs at the five major sockeye salmon producing systems: Orzinski Lake on the South Peninsula, and Nelson River, Bear Lake, Sandy River, and Ilnik River on the North Peninsula (McCullough 2001). Two distinct runs of sockeye salmon occur at Bear Lake; the early run enters Bear Lake through 31 July, and the late run enters the system after 31 July (Ramstad 1998). Other area streams are monitored by aerial and foot surveys and their associated escapement data are not presented in this report.

The Alaska Peninsula Management Area is made up of four fishing districts off the South Peninsula, and two off the North Peninsula (Figures 2-9). Five salmon species are commercially harvested in the Alaska Peninsula Management Area (Witteveen et al. 2001; Murphy et al. 2001).

Salmon escapements and catches are sampled annually for biological characteristics including age, length, and sex. These data continue to expand the Alaska Peninsula Management Area salmon baseline database. The current emphasis of escapement sampling is on sockeye salmon, while catch sampling focuses primarily on sockeye and chum salmon. Chinook and coho salmon commercial catches are sampled at a reduced level. Sockeye salmon smolt (age, weight, and length) samples are collected weekly at Bear Lake and Sandy River as indices of age composition and smolt condition.

This report summarizes the results of the 2001 Alaska Peninsula Management Area escapement and catch sampling programs. The purpose of this report is to serve as a compilation of data; interpretation and discussion of these data are limited.

## METHODS

### *Adult Salmon Escapement and Catch Estimates*

Alaska Peninsula sockeye salmon escapement estimates for 2001 were based primarily on weir counts with the addition of post season estimates at Orzinski Lake, Nelson River, Bear Lake, Sandy River, and Ilnik River (McCullough, 2001). Daily weir count data were obtained from the Alaska Department of Fish and Game (ADF&G), Division of Commercial Fisheries, Westward Region escapement database on November 7, 2001.

Salmon catch data by area and species were obtained from the ADF&G, Division of Commercial Fisheries, Westward Region catch database reflecting individual sales receipts (fish tickets). This database was edited by ADF&G area management personnel prior to summaries being generated on November 3, 2001.

### *Adult Salmon Escapement and Catch Sampling*

Sockeye salmon escapements were sampled for age (scales), length, and sex at Orzinski Lake, Nelson River, Bear Lake, Sandy River, and Ilnik River weirs with a targeted weekly sample size of 240 fish per system (Thompson 1987). Sampling weeks and associated calendar dates are presented in Table 1.

Otolith samples were taken and sex was recorded from spent adult sockeye salmon carcasses from Blue Bill and Outer Marker Lakes, which flow into Izembek Lagoon. The ages of the fish were estimated from the otoliths, because the scales were unusable for age estimation due to scale regeneration.

Commercial catches were sampled weekly ( $n=600$ ; Thompson 1987) for age during commercial fisheries. A detailed description of the Alaska Peninsula escapement and catch sampling program can be found in Murphy and Tschersich (2001).

All scales, when possible, were collected following procedures outlined in INPFC (1963). Scales were mounted on gum cards and impressions were made on cellulose acetate (Clutter and Whitesel 1956). Fish ages were assigned by examining scale impressions for annual growth increments using a microfiche reader fitted with a 48X lens following designation criteria established by Mosher (1968). Ages were recorded on sampling forms using European notation (Koo 1962) where a decimal separates the number of winters spent in freshwater (after emergence) from the number of winters spent in saltwater. The total age of the fish includes an additional winter representing the time between egg deposition and fry emergence. Length measurements were taken from mid-eye to tail-fork in millimeters and sex was determined from external morphological characteristics. All data were recorded on standard age-weight-length (AWL) data forms. Data from AWL forms were optically scanned into an electronic database and edited for accuracy.

Age, length, and sex compositions were computed for each escapement sampled. Age and sex composition estimates were interpolated daily between sampling events and summarized weekly. When limited samples were obtained, the age composition of the sample was apportioned to the escapement of the sampling period only. Length composition data were summarized by age and sex and represented only the fish sampled. When weekly targeted sample sizes were obtained, catch-at-age by area and day was estimated by multiplying the daily age composition of a particular sample by the daily catch from the corresponding catch area. Age composition of the catch from days not sampled was estimated using linear interpolation between sampling events. Descriptions of component programs used to compute age, length, and sex composition summaries can be found in Blackburn (1993).

### *Juvenile Sockeye Salmon Sampling for Age, Size, and Condition*

Sockeye salmon smolt were sampled for age (scales), length, and weight at Bear Lake and Sandy River. Up to 200 smolt per week (dependent on availability) were collected using a fyke net and sampled. When more than 200 smolt were captured in a day, they were placed in a holding tank and sampled randomly until 200 smolt were selected. After anesthetizing the smolt to be sampled with MS-222, scale smears were taken from the preferred area (INPFC 1963) and mounted on a standard microscope slide. Length measurements (tip-of-snout to fork-of-tail) were measured to the nearest mm and weights were taken to the nearest 0.1 g using a digital balance. In addition to the above sampling, a dedicated smolt project was in effect at Bear Lake and smolt captured with a rotary screw and inclined plane trap were also sampled. Age classification was conducted using a microfiche reader fitted with a 60X lens following designation criteria established by Mosher (1968). Age composition, mean length, weight, and condition factor were summarized for each system by week (Swanton et al. 1995). No attempt was made to measure smolt abundance in 2001.

Condition factor was calculated for each smolt sampled using (Bagenal and Tesch 1978):

$$\hat{K} = \frac{W}{L^3} 10^5 ;$$

where:

$\hat{K}$  = smolt condition factor;

$W$  = smolt weight (g);

$L$  = smolt length (mm).

### *Nelson River Sockeye Salmon Run Reconstruction*

The Nelson River sockeye salmon run reconstruction was accomplished by combining Nelson River escapement estimates and catches from Nelson Lagoon by year and age class (Murphy et al. 2000). Estimates by age class were assigned to the parent year (brood year) escapement and return-per-spawner (R/S) estimates were calculated by dividing total return by its respective parent year escapement. The total run and R/S estimates calculated for Nelson River can be considered minimums, because harvests of Nelson River sockeye salmon outside of Nelson Lagoon have not been quantified. A few other minor sockeye salmon systems also drain into Nelson Lagoon, but these runs are considered insignificant and relatively constant.

### *Bear Lake Late Sockeye Salmon Run Reconstruction*

Run reconstruction of the late sockeye salmon run at Bear Lake was accomplished by combining the Bear Lake late-run (post 31 July) escapement estimates and catches from Harbor Point to Stroganof Point (post 31 July) by year and age class (Murphy et al. 2000). Estimates by age class were assigned to the parent year (brood year) escapement and R/S estimates were calculated by dividing total return by its respective parent year escapement.

## RESULTS

### *Adult Sockeye Salmon Escapement Abundance, Age, Sex, and Size Data*

A total of 642,182 sockeye salmon were estimated as escapement through weirs in the Alaska Peninsula Management Area during 2001 (Table 2). Overall, 6,224 sockeye salmon were sampled for age, length, and sex (ALS) data (Table 3). Escapements on the Alaska Peninsula were similar in magnitude in 2001 to 2000, and the total number of sockeye salmon sampled for ALS data was similar to previous years (Bouwens et al. 2001).

In its entirety, the dominant age classes varied by system, but the escapement was predominantly 5-year-old fish (age 2.2; Tables 3-10). Compared to 2000, the age 2.2 component in 2001 made up a slightly smaller portion of the entire escapement, while ages 1.3 and 2.3 sockeye salmon were more abundant than in 2000 (Bouwens et al. 2001).

Approximately 37% of the Orzinski Lake sockeye escapement was classified as age 1.3 in 2001 (Table 4). Age 2.2 fish were less common in 2001 than in 2000 at Nelson River, although age 2.2 sockeye salmon were still the most abundant (Table 5; Bouwens et al. 2001). The majority of sockeye salmon were freshwater age 1. at Sandy River (Table 6), while the majority of the fish were freshwater age 2. at Bear Lake (Table 7). The early run at Bear Lake had a higher percentage of 3-ocean fish than the Bear Lake late run (Tables 8 and 9). The percentage of age 0. sockeye salmon at Ilnik was similar in 2001 to that in 2000 (Table 10; Bouwens et al. 2001), and composed nearly half of the run.

Alaska Peninsula sockeye salmon escapement length measurements ranged from 300-690 mm (Tables 11-15) and the overall percentage of males in the escapement ranged from 47% at Sandy River to 62% at Orzinski Lake (Tables 16-20).

Age composition summaries of Blue Bill and Outer Marker Lakes sockeye salmon are listed in Tables 21 and 22.

### *Juvenile Sockeye Salmon Age, Size, and Condition*

Smolt scale samples were taken during statistical weeks 25 and 26 at Sandy River. The weekly sockeye salmon smolt samples collected at Sandy River indicated that 98.8% of the outmigrating sockeye smolt sampled during 2001 were age 1. and 1.2% of the smolt sampled were classified as age 2. (n=405; Table 23). The mean lengths of age 1., and 2. smolt at Sandy River were 97.8, and 100.8 mm, respectively (Table 24). Since 1995, there has been a decreasing percentage of age 0. smolt at Sandy River (Table 25).

Smolt scale samples were taken during statistical weeks 21 through 33 at Bear Lake. The weekly sockeye smolt samples collected at Bear Lake indicated that 54.1% of the outmigrating sockeye smolt sampled during 2001 were age 2., and 40.5% of the smolt sampled were age 1. Ages 3. and 0. smolt composed less than 6% of the smolt sampled (n=1,917; Table 26). The mean lengths of age

1., 2., and 3. smolt at Bear Lake were 117.3, 121.1, and 131.1 mm, respectively (Table 27). Historic smolt age data for Bear Lake are listed in Table 28.

### ***Commercial Salmon Catch Abundance Data***

The 2001 commercial harvest for the Alaska Peninsula Management Area totaled 6,829,549 salmon consisting of 6,713 chinook, 1,753,698 sockeye, 231,307 coho, 3,794,756 pink, and 1,043,075 chum salmon (Table 29). A total of 16,666 salmon were sampled for age determination from a variety of catch areas throughout the Alaska Peninsula (Tables 30-44).

### ***Commercial Salmon Catch Age Data***

#### **Chinook Salmon**

A total of 959 commercially harvested chinook salmon were sampled from the Alaska Peninsula Management Area (Table 30), specifically from the Nelson Lagoon and Harbor Point to Strogenof Point commercial catches (Tables 31-32). This sampling effort has remained somewhat constant for the past five years. The chinook salmon catches that were sampled were mainly age 1.3 and 1.4 fish.

#### **Sockeye Salmon**

Sockeye salmon scale samples were collected from six different catch areas throughout the South and North Peninsula. A total of 10,444 sockeye salmon were sampled for age information area wide (Table 33) representing a combined harvest of about 1.3 million fish. This is less than half the number of samples as taken in 2000 (Bouwens et al. 2001). The number of catch areas that were sampled was reduced from 16 areas in 1998 to five areas in 2000 (Nelson et al. 1999; Nelson et al. 2000; Bouwens et al. 2001). The primary age classes varied by catch area, but the overall sockeye salmon catch sampled was composed of predominantly ages 2.3 (34.2%) and 1.3 (31.0%), followed by age 2.2 (25.2%) fish (Tables 33-39).

#### **Coho Salmon**

The number of coho salmon sampled from Alaska Peninsula Management Area declined by about one third from 1996-2000 (Nelson et al. 1997; Nelson et al. 2000; Bouwens et al. 2001). The number of coho salmon sampled in 2001 was similar to the number sampled in 2000; a combined total of 1,484 fish were sampled, representing a total of 12,547 commercially caught coho salmon (Table 40). Scale samples were collected only from coho salmon captured from Harbor Point to Strogenof Point on the North Peninsula. The predominant age class of the monitored catch was age 2.1 (73.2%; Table 40).

#### **Chum Salmon**

A total of 3,779 commercially harvested chum salmon were sampled from the Alaska Peninsula Management Area in 2001 from three areas (Table 41). The number of chum salmon sampled has

been reduced in recent years. In 1996, approximately 16 thousand chum salmon were sampled for age data; the number has steadily declined since then (Nelson et al. 1997; Nelson et al. 1999; Wadle et al. 1999; Nelson et al. 2000), although the number of chum salmon sampled increased slightly in 2001 over 2000 (Bouwens et al. 2001). In 2001, chum salmon scale samples were collected from Moller Bay, Harbor Point to Strogonof Point, and the Black Hills Section on the North Peninsula representing a combined harvest of 39,685 fish (Tables 41-44). In all three areas combined, the predominant age class of the monitored catch was age 0.4 (51.3%) followed by age 0.3 (46.3%).

#### ***Nelson River Sockeye Salmon Run Reconstruction***

The estimated sockeye salmon run to Nelson River was 376,325 in 2001, with age 1.3 and 2.2 fish accounting for 34 and 32% of the run, respectively (Table 45). This was almost identical to the 2000 estimated run of 376,388 and lower than the recent 10-year average estimated run of 537,688 (Figure 10). Escapements (1985-1994) to Nelson River have produced an estimated average return of 548,582 fish (range: 255,474-719,453; Table 46). The average R/S for this period was estimated at 2.75.

#### ***Bear Lake Late Sockeye Salmon Run Reconstruction***

The late run to Bear Lake in 2001 was estimate at 475,863 sockeye salmon with age 2.2 fish accounting for 57% of the run (Table 47). The estimated 2001 late run was lower in magnitude than the estimated late run of 2000 (710,211) and approximately 157,000 fish less than the recent 10-year average of 632,622 (Figure 11). The 1985-1994 late-run escapements to Bear Lake have produced an estimated average return of 805,515 fish (range: 376,415-1,188,080; Table 48). The R/S for this period was estimated at 5.3.

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Table 1. Sampling weeks and corresponding calendar dates, 2001.

Week	Calendar Dates			Week	Calendar Dates		
1	1-Jan	-	3-Jan	28	5-Jul	-	11-Jul
2	4-Jan	-	10-Jan	29	12-Jul	-	18-Jul
3	11-Jan	-	17-Jan	30	19-Jul	-	25-Jul
4	18-Jan	-	24-Jan	31	26-Jul	-	1-Aug
5	25-Jan	-	31-Jan	32	2-Aug	-	8-Aug
6	1-Feb	-	7-Feb	33	9-Aug	-	15-Aug
7	8-Feb	-	14-Feb	34	16-Aug	-	22-Aug
8	15-Feb	-	21-Feb	35	23-Aug	-	29-Aug
9	22-Feb	-	28-Feb	36	30-Aug	-	5-Sep
10	1-Mar	-	7-Mar	37	6-Sep	-	12-Sep
11	8-Mar	-	14-Mar	38	13-Sep	-	19-Sep
12	15-Mar	-	21-Mar	39	20-Sep	-	26-Sep
13	22-Mar	-	28-Mar	40	27-Sep	-	3-Oct
14	29-Mar	-	4-Apr	41	4-Oct	-	10-Oct
15	5-Apr	-	11-Apr	42	11-Oct	-	17-Oct
16	12-Apr	-	18-Apr	43	18-Oct	-	24-Oct
17	19-Apr	-	25-Apr	44	25-Oct	-	31-Oct
18	26-Apr	-	2-May	45	1-Nov	-	7-Nov
19	3-May	-	9-May	46	8-Nov	-	14-Nov
20	10-May	-	16-May	47	15-Nov	-	21-Nov
21	17-May	-	23-May	48	22-Nov	-	28-Nov
22	24-May	-	30-May	49	29-Nov	-	5-Dec
23	31-May	-	6-Jun	50	6-Dec	-	12-Dec
24	7-Jun	-	13-Jun	51	13-Dec	-	19-Dec
25	14-Jun	-	20-Jun	52	20-Dec	-	26-Dec
26	21-Jun	-	27-Jun	53	27-Dec	-	31-Dec
27	28-Jun	-	4-Jul				

Table 2. Daily and cumulative sockeye salmon escapement counted through weirs by system, Alaska Peninsula Management Area, 2001.

Date	System (weir)									
	Orzinski Lake		Nelson River		Sandy River		Bear Lake		Ilmik River	
	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
05/25/01			0	0						
05/26/01			0	0						
05/27/01			0	0					0	0
05/28/01			0	0			0	0	224	224
05/29/01			0	0			4	4	442	666
05/30/01			0	0			8	12	274	940
05/31/01			0	0			3	15	396	1,336
06/01/01			0	0			16	31	79	1,415
06/02/01			0	0			28	59	642	2,057
06/03/01			0	0			93	152	145	2,202
06/04/01			0	0			49	201	321	2,523
06/05/01	0	0	0	0			53	254	193	2,716
06/06/01	0	0	0	0			127	381	518	3,234
06/07/01	0	0	0	0			144	525	441	3,675
06/08/01	0	0	27	27	0	0	148	673	480	4,155
06/09/01	0	0	100	127	0	0	306	979	330	4,485
06/10/01	1	1	0	127	11	11	458	1,437	754	5,239
06/11/01	0	1	13	140	10	21	361	1,798	491	5,730
06/12/01	0	1	123	263	2	23	419	2,217	732	6,462
06/13/01	0	1	178	441	1	24	733	2,950	370	6,832
06/14/01	0	1	1,071	1,512	5	29	390	3,340	1,014	7,846
06/15/01	18	19	1,101	2,613	20	49	1,329	4,669	1,479	9,325
06/16/01	18	37	2,270	4,883	353	402	1,389	6,058	1,678	11,003
06/17/01	22	59	1,091	5,974	232	634	2,456	8,514	2,323	13,326
06/18/01	53	112	6,618	12,592	289	923	3,624	12,138	1,742	15,068
06/19/01	22	134	5,273	17,865	185	1,108	2,888	15,026	2,270	17,338
06/20/01	66	200	1,142	19,007	911	2,019	1,892	16,918	1,000	18,338
06/21/01	5	205	4,515	23,522	1,442	3,461	757	17,675	1,444	19,782
06/22/01	892	1,097	5,088	28,610	1,500 <sup>b</sup>	4,961	1,496	19,171	1,629	21,411
06/23/01	202	1,299	4,419	33,029	500 <sup>b</sup>	5,461	19,480	38,651	4,920	26,331
06/24/01	0	1,299	3,559	36,588	1,000 <sup>b</sup>	6,461	1,598	40,249	1,686	28,017
06/25/01	0	1,299	7,530	44,118	1,058	7,519	3,533	43,782	2,510	30,527
06/26/01	0	1,299	4,692	48,810	1,733	9,252	1,304	45,086	1,617	32,144
06/27/01	1,190	2,489	4,129	52,939	1,295	10,547	1,329	46,415	1,812	33,956
06/28/01	225	2,714	3,401	56,340	658	11,205	1,583	47,998	703	34,659
06/29/01	0	2,714	4,352	60,692	470	11,675	1,260	49,258	851	35,510
06/30/01	4,175	6,889	5,293	65,985	39,325 <sup>b</sup>	51,000	1,431	50,689	810	36,320
07/01/01	691	7,580	11,643	77,628			1,385	52,074	1,078	37,398
07/02/01	722	8,302	17,732	95,360			1,288	53,362	780	38,178
07/03/01	1,612	9,914	13,019	108,379			3,060	56,422	1,844	40,022
07/04/01	46	9,960	7,583	115,962			5,030	61,452	3,912	43,934

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Table 2. Page 2 of 3.

Date	System (weir)									
	Orzinski Lake		Nelson River		Sandy River		Bear Lake		Ilnik River	
Date	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
07/05/01	0	9,960	5,174	121,136			1,745	63,197	1,194	45,128
07/06/01	409	10,369	5,296	126,432			3,504	66,701	1,892	47,020
07/07/01	461	10,830	3,369	129,801			2,917	69,618	1,697	48,717
07/08/01	1,384	12,214	4,804	134,605			8,085	77,703	1,188	49,905
07/09/01	2,463	14,677	4,506	139,111			14,036	91,739	325	50,230
07/10/01	221	14,898	5,930	145,041			4,947	96,686	1,037	51,267
07/11/01	252	15,150	3,039	148,080			2,505	99,191	749	52,016
07/12/01	434	15,584	2,785	150,865			1,717	100,908	324	52,340
07/13/01	105	15,689	2,723	153,588			751	101,659	320	52,660
07/14/01	892	16,581	2,854	156,442			5,325	106,984	559	53,219
07/15/01	1,749	18,330	2,361	158,803			1,985	108,969	771	53,990
07/16/01	816	19,146	1,444	160,247			715	109,684	918	54,908
07/17/01	595	19,741	1,921	162,168			5,099	114,783	447	55,355
07/18/01	1,264	21,005	2,121	164,289			10,579	125,362	202	55,557
07/19/01	332	21,337	1,962	166,251			1,606	126,968	2,443 <sup>a</sup>	58,000
07/20/01	105	21,442	1,142	167,393			804	127,772		
07/21/01	114	21,556	990	168,383			6,053	133,825		
07/22/01	316	21,872	1,605	169,988			7,540	141,365		
07/23/01	291	22,163	1,043	171,031			19,140	160,505		
07/24/01	76	22,239	1,301	172,332			7,601	168,106		
07/25/01	510	22,749	29,630 <sup>a</sup>	201,962			2,013	170,119		
07/26/01	526	23,275					1,409	171,528		
07/27/01	1,716	24,991					1,374	172,902		
07/28/01	932	25,923					1,132	174,034		
07/29/01	224	26,147					1,106	175,140		
07/30/01	313	26,460					1,257	176,397		
07/31/01	522	26,982					1,098	177,495		
08/01/01	4,218 <sup>a</sup>	31,200					994	178,489		
08/02/01							1,181	179,670		
08/03/01							2,722	182,392		
08/04/01							721	183,113		
08/05/01							9,483	192,596		
08/06/01							6,559	199,155		
08/07/01							12,695	211,850		
08/08/01							5,547	217,397		
08/09/01							6,470	223,867		
08/10/01							20,195	244,062		
08/11/01							6,020	250,082		
08/12/01							1,661	251,743		
08/13/01							1,175	252,918		
08/14/01							1,802	254,720		
08/15/01							1,392	256,112		

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Table 2. Page 3 of 3.

Date	System (weir)							
	Orzinski Lake		Nelson River		Sandy River		Bear Lake	
	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
08/16/01							761	256,873
08/17/01							1,149	258,022
08/18/01							1,950	259,972
08/19/01							1,908	261,880
08/20/01							212	262,092
08/21/01							2,137	264,229
08/22/01							9,142	273,371
08/23/01							1,978	275,349
08/24/01							24,651 <sup>a</sup>	300,000
08/25/01								
Totals	31,200		201,962		51,000		300,000	58,000

<sup>a</sup> Post-weir escapement estimate.

<sup>b</sup> Sandy River weir washed out on 6/22-24 and again on 6/30, after which it was not reinstalled for the remainder of the season. Escapement estimated for 6/22-24 and subsequent to 6/30.

Table 3. Estimated age composition of sockeye salmon escapement, by system, Alaska Peninsula Management Area, 2001.

System	Sample Size	Ages															Total			
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3				
Orzinski Lake	1,144	%	0.5	0.5	1.3	1.2	19.6	20.1	0.0	37.1	4.4	0.5	0.4	13.8	0.0	0.0	0.5	100.0		
		no.	169	170	415	364	6,109	6,281	0	11,574	1,373	149	129	4,303	0	0	161	31,200 <sup>a</sup>		
Nelson River	1,280	%	0.0	2.5	0.3	3.3	15.2	2.9	0.3	24.1	41.6	0.1	0.1	9.4	0.1	0.0	0.1	100.0		
		no.	0	4,964	570	6,717	30,646	5,765	703	48,635	84,104	179	226	19,062	259	0	134	201,962 <sup>a</sup>		
Sandy River	523	%	0.0	0.0	0.1	2.7	22.4	0.0	0.2	63.9	6.1	0.0	0.7	3.9	0.0	0.0	0.0	100.0		
		no.	0	0	16	321	2,614	0	25	7,463	707	0	76	455	0	0	0	11,675 <sup>a</sup>		
Bear Lake	2,180	%	0.1	0.3	0.1	0.1	0.6	16.2	0.0	16.2	38.1	0.0	0.4	27.3	0.0	0.5	0.0	100.0		
		no.	211	1,030	427	235	1,887	48,552	0	48,541	114,225	0	1,224	81,962	0	1,558	149	300,000 <sup>a</sup>		
Ililik River	1,097	%	0.0	0.9	0.6	44.4	1.8	0.0	16.7	24.3	0.2	0.0	5.6	5.4	0.0	0.2	0.0	100.0		
		no.	0	514	372	25,755	1,028	0	9,678	14,080	103	0	3,252	3,135	0	87	0	58,000 <sup>a</sup>		
Totals		6,224	%	0.1	1.1	0.3	5.5	7.0	10.1	1.7	21.6	33.3	0.1	0.8	18.1	0.0	0.3	0.1	100	
			no.	380	6,678	1,800	33,392	42,284	60,598	10,406	130,293	200,512	328	4,907	108,917	259	1,645	444	602,837	

<sup>a</sup> Escapement count includes a post-weir estimate.

Table 4. Estimated age composition of Orzinski Lake sockeye salmon escapement by week, 2001.

Week	Sample Size		Ages												Total
			0.1	0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.3	
24 6/07-6/13	0	Percent	0.0	0.4	0.0	2.2	16.5	4.9	59.8	2.7	0.4	0.9	11.6	0.4	100.0
		Numbers	0	0	0	0	0	0	1	0	0	0	0	0	1
25 6/14-6/20	0	Percent	0.0	0.4	0.0	2.2	16.5	4.9	59.8	2.7	0.4	0.9	11.6	0.4	100.0
		Numbers	0	1	0	4	33	10	119	5	1	2	23	1	199
26 6/21-6/27	0	Percent	0.0	0.4	0.0	2.2	16.5	4.9	59.8	2.7	0.4	0.9	11.6	0.4	100.0
		Numbers	0	10	0	51	378	112	1,369	61	10	20	266	10	2,289
27 6/28-7/04	224	Percent	0.2	0.4	0.3	2.0	17.3	6.7	57.4	2.7	0.4	0.8	11.3	0.4	100.0
		Numbers	15	33	19	147	1,294	504	4,289	203	29	63	844	29	7,471
28 7/05-7/11	232	Percent	1.5	0.5	1.8	0.1	22.9	18.9	40.2	3.5	0.0	0.4	10.1	0.1	100.0
		Numbers	76	28	95	4	1,186	981	2,084	180	1	23	526	6	5,190
29 7/12-7/18	228	Percent	0.3	1.0	0.9	0.1	23.1	19.5	32.6	6.0	0.0	0.3	15.2	0.9	100.0
		Numbers	19	59	53	6	1,353	1,139	1,907	354	0	20	889	55	5,855
30 7/19-7/25	230	Percent	1.0	0.2	3.2	0.6	25.6	38.1	15.0	4.0	0.2	0.0	10.9	1.1	100.0
		Numbers	18	4	56	11	447	664	261	70	4	1	190	19	1,744
31 7/26-8/01	230	Percent	0.5	0.4	2.3	1.7	16.8	34.0	18.3	5.9	1.2	0.0	18.5	0.5	100.0
		Numbers	41	35	192	141	1,418	2,871	1,544	500	104	0	1,565	41	8,451
Total	1,144	Percent	0.5	0.5	1.3	1.2	19.6	20.1	37.1	4.4	0.5	0.4	13.8	0.5	100.0
		Numbers	169	170	415	364	6,109	6,281	11,574	1,373	149	129	4,303	161	31,200

<sup>a</sup> Escapement count includes a post-weir estimate of 4,218 fish (08/01).

Table 5. Estimated age composition of Nelson River sockeye salmon escapement by week, 2001.

Week	Sample Size		Ages													Total
			0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	2.4	3.3	
24 6/07-6/13	0	Percent	0.0	0.0	6.0	8.3	0.0	0.0	48.8	16.7	0.0	0.0	19.6	0.0	0.6	100.0
		Numbers	0	0	26	37	0	0	215	74	0	0	87	0	3	441
25 6/14-6/20	168	Percent	0.2	0.0	5.8	9.0	0.1	0.0	47.8	17.5	0.0	0.0	19.0	0.0	0.6	100.0
		Numbers	31	0	1,074	1,666	12	6	8,882	3,257	0	6	3,530	0	103	18,566
26 6/21-6/27	203	Percent	2.0	0.0	3.9	16.2	0.9	0.4	35.2	29.4	0.0	0.4	11.5	0.0	0.1	100.0
		Numbers	678	15	1,312	5,509	293	139	11,957	9,966	0	123	3,912	0	28	33,932
27 6/28-7/04	273	Percent	1.9	0.3	3.7	16.3	1.4	0.5	23.0	43.5	0.0	0.0	9.3	0.0	0.0	100.0
		Numbers	1,224	183	2,317	10,303	899	290	14,469	27,428	0	17	5,891	0	0	63,023
28 7/05-7/11	211	Percent	3.7	0.0	2.1	16.9	3.4	0.8	13.2	51.6	0.0	0.1	8.1	0.1	0.0	100.0
		Numbers	1,183	15	681	5,437	1,092	245	4,251	16,583	0	17	2,597	17	0	32,118
29 7/12-7/18	212	Percent	2.8	0.1	1.6	16.6	6.1	0.1	17.3	47.8	0.0	0.4	6.7	0.4	0.0	100.0
		Numbers	451	16	264	2,691	992	23	2,809	7,753	8	57	1,081	65	0	16,209
30 7/19-7/25	213	Percent	3.7	0.9	2.8	13.3	6.6	0.0	16.1	50.5	0.5	0.0	5.2	0.5	0.0	100.0
		Numbers	1,397	341	1,043	5,003	2,477	0	6,052	19,043	171	6	1,964	177	0	37,673 <sup>a</sup>
Total	1,280	Percent	2.5	0.3	3.3	15.2	2.9	0.3	24.1	41.6	0.1	0.1	9.4	0.1	0.1	100.0
		Numbers	4,964	570	6,717	30,646	5,765	703	48,635	84,104	179	226	19,062	259	134	201,962

<sup>a</sup> Escapement count includes a post-weir estimate of 29,630 fish (7/25).

Table 6. Estimated age composition of Sandy River sockeye salmon escapement by week through 30 June, 2001.

Week	Sample Size	Ages									Total
		1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3		
24 6/07-6/13	0	Percent	0.6	2.2	28.7	0.0	58.6	6.6	0.0	3.3	100.0
		Numbers	0	1	7	0	14	2	0	1	24
25 6/14-6/20	181	Percent	0.5	2.3	26.2	0.1	60.6	6.7	0.2	3.5	100.0
		Numbers	9	47	524	1	1,208	133	4	69	1,995
26 6/21-6/27	237	Percent	0.1	2.8	20.2	0.3	65.6	6.2	0.8	4.0	100.0
		Numbers	7	241	1,723	23	5,598	525	70	341	8,528
27 6/28-6/30	105	Percent	0.0	2.9	31.9	0.0	57.0	4.2	0.1	3.9	100.0
		Numbers	0	32	360	1	643	47	2	44	1,128
Total	523	Percent	0.1	2.7	22.4	0.2	63.9	6.1	0.7	3.9	100.0
		Numbers	16	321	2,614	25	7,463	707	76	455	11,675 <sup>a</sup>

<sup>a</sup> Age composition estimated from 11,675 out of a total escapement of 51,000 sockeye. The weir washed out on 22 through 24 June and then again on 30 June and was not reinstalled; therefore the total escapement includes a post-weir estimate of 39,325.

Table 7. Estimated age composition of Bear Lake sockeye salmon escapement by week, 2001.

Week	Sample Size		Ages												Total
			0.1	0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	2.4	3.3	
22 5/24-5/30	0	Percent	0.0	0.0	0.5	0.0	0.9	3.2	35.1	26.6	0.0	32.4	0.9	0.5	100.0
		Numbers	0	0	0	0	0	0	4	3	0	4	0	0	12
23 5/31-6/06	0	Percent	0.0	0.0	0.5	0.0	0.9	3.2	35.1	26.6	0.0	32.4	0.9	0.5	100.0
		Numbers	0	0	2	0	3	12	130	98	0	120	3	2	369
24 6/07-6/13	0	Percent	0.0	0.0	0.5	0.0	0.9	3.2	35.1	26.6	0.0	32.4	0.9	0.5	100.0
		Numbers	0	0	12	0	23	81	903	683	0	833	23	12	2,569
25 6/14-6/20	222	Percent	0.0	0.0	0.4	0.0	0.7	3.3	35.3	27.2	0.0	31.6	1.1	0.4	100.0
		Numbers	0	0	52	0	103	463	4,930	3,803	0	4,417	148	52	13,968
26 6/21-6/27	222	Percent	0.0	0.0	0.0	0.0	0.0	5.0	35.2	30.0	0.0	28.2	1.7	0.0	100.0
		Numbers	0	0	2	0	5	1,466	10,378	8,835	0	8,316	493	2	29,497
27 6/28-7/04	216	Percent	0.0	0.0	0.1	0.0	0.1	11.9	29.2	27.0	0.3	30.6	0.7	0.0	100.0
		Numbers	0	0	22	0	22	1,792	4,389	4,060	45	4,606	101	0	15,037
28 7/05-7/11	212	Percent	0.0	0.0	0.4	0.0	0.4	11.0	30.1	23.1	1.0	33.3	0.8	0.0	100.0
		Numbers	0	0	132	0	132	4,136	11,362	8,721	380	12,568	308	0	37,739
29 7/12-7/18	226	Percent	0.0	0.0	0.0	0.0	0.3	16.2	18.5	25.9	1.0	37.6	0.5	0.0	100.0
		Numbers	0	0	3	0	84	4,243	4,835	6,775	270	9,841	121	0	26,171
30 7/19-7/25	216	Percent	0.0	0.0	0.0	0.1	0.7	11.5	15.1	37.1	0.4	34.8	0.3	0.1	100.0
		Numbers	0	0	0	50	308	5,130	6,748	16,598	161	15,557	156	50	44,757

-Continued-

Table 7. Page 2 of 2.

Week	Sample Size		Ages												Total
			0.1	0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	2.4	3.3	
31 7/26-8/01	221	Percent	0.0	0.0	0.0	0.4	0.2	31.7	6.7	34.8	0.1	25.7	0.0	0.3	100.0
		Numbers	0	0	0	35	13	2,654	562	2,915	10	2,150	3	28	8,370
32 8/02-8/08	211	Percent	0.0	0.4	0.1	0.3	0.5	27.4	4.7	43.0	0.3	23.1	0.1	0.0	100.0
		Numbers	0	163	54	128	179	10,678	1,812	16,719	125	8,992	54	3	38,908
33 8/09-8/15	218	Percent	0.0	1.2	0.4	0.1	0.5	19.5	2.8	54.3	0.1	20.8	0.4	0.0	100.0
		Numbers	10	458	146	22	208	7,559	1,069	21,031	32	8,034	146	0	38,715
34 8/16-8/22	216	Percent	0.5	0.9	0.0	0.0	1.8	23.5	3.2	54.7	0.5	14.9	0.0	0.0	100.0
		Numbers	78	162	2	0	314	4,051	556	9,437	78	2,579	2	0	17,259
35 8/23-8/29	0	Percent	0.5	0.9	0.0	0.0	1.9	23.6	3.2	54.6	0.5	14.8	0.0	0.0	100.0
		Numbers	123	247	0	0	493	6,287	863	14,547	123	3,945	0	0	26,629 <sup>a</sup>
Total	2,180	Percent	0.1	0.3	0.1	0.1	0.6	16.2	16.2	38.1	0.4	27.3	0.5	0.0	100.0
		Numbers	211	1,030	427	235	1,887	48,552	48,541	114,225	1,224	81,962	1,558	149	300,000

<sup>a</sup> Escapement count includes a post-weir estimate of 24,651 fish (8/24).

Table 8. Estimated age composition of Bear Lake early-run sockeye salmon escapement (through July 31), 2001.

Week	Sample Size	Ages											Total	
		1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	2.4	3.3			
22 5/24-5/30	0	Percent	0.5	0.0	0.9	3.2	35.1	26.6	0.0	32.4	0.9	0.5	100.0	
		Numbers	0	0	0	0	4	3	0	4	0	0	12	
23 5/31-6/06	0	Percent	0.5	0.0	0.9	3.2	35.1	26.6	0.0	32.4	0.9	0.5	100.0	
		Numbers	2	0	3	12	130	98	0	120	3	2	369	
24 6/07-6/13	0	Percent	0.5	0.0	0.9	3.2	35.1	26.6	0.0	32.4	0.9	0.5	100.0	
		Numbers	12	0	23	81	903	683	0	833	23	12	2,569	
25 6/14-6/20	222	Percent	0.4	0.0	0.7	3.3	35.3	27.2	0.0	31.6	1.1	0.4	100.0	
		Numbers	52	0	103	463	4,930	3,803	0	4,417	148	52	13,968	
26 6/21-6/27	222	Percent	0.0	0.0	0.0	5.0	35.2	30.0	0.0	28.2	1.7	0.0	100.0	
		Numbers	2	0	5	1,466	10,378	8,835	0	8,316	493	2	29,497	
27 6/28-7/04	216	Percent	0.1	0.0	0.1	11.9	29.2	27.0	0.3	30.6	0.7	0.0	100.0	
		Numbers	22	0	22	1,792	4,389	4,060	45	4,606	101	0	15,037	
28 7/05-7/11	212	Percent	0.4	0.0	0.4	11.0	30.1	23.1	1.0	33.3	0.8	0.0	100.0	
		Numbers	132	0	132	4,136	11,362	8,721	380	12,568	308	0	37,739	
29 7/12-7/18	226	Percent	0.0	0.0	0.3	16.2	18.5	25.9	1.0	37.6	0.5	0.0	100.0	
		Numbers	3	0	84	4,243	4,835	6,775	270	9,841	121	0	26,171	
30 7/19-7/25	216	Percent	0.0	0.1	0.7	11.5	15.1	37.1	0.4	34.8	0.3	0.1	100.0	
		Numbers	0	50	308	5,130	6,748	16,598	161	15,557	156	50	44,757	
31 7/26-7/31	221	Percent	0.0	0.4	0.1	31.9	6.9	34.3	0.0	25.9	0.0	0.4	100.0	
		Numbers	0	31	6	2,353	507	2,530	3	1,914	3	31	7,376	
Total		Percent	0.1	0.0	0.4	11.1	24.9	29.4	0.5	32.8	0.8	0.1	100.0	
		Numbers	225	81	686	19,676	44,186	52,106	859	58,176	1,356	149	177,495	

Table 9. Estimated age composition of Bear Lake late-run sockeye salmon escapement (post July 31), 2001.

Week	Sample Size		Ages											Total	
			0.1	0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	2.4		
31 7/26-8/01	0	Percent	0.0	0.0	0.0	0.5	0.5	31.8	5.7	37.0	0.5	24.2	0.0	100.0	
		Numbers	0	0	0	5	5	316	57	367	5	240	0	994	
32 8/02-8/08	211	Percent	0.0	0.4	0.1	0.3	0.5	27.4	4.7	43.0	0.3	23.1	0.1	100.0	
		Numbers	0	163	54	128	183	10,659	1,811	16,741	128	8,987	54	38,908	
33 8/09-8/15	218	Percent	0.0	1.2	0.4	0.1	0.5	19.5	2.8	54.3	0.1	20.8	0.4	100.0	
		Numbers	10	458	146	22	208	7,559	1,069	21,031	32	8,034	146	38,715	
34 8/16-8/22	216	Percent	0.5	0.9	0.0	0.0	1.8	23.5	3.2	54.7	0.5	14.9	0.0	100.0	
		Numbers	78	162	2	0	314	4,051	556	9,437	78	2,579	2	17,259	
35 8/23-8/29	0	Percent	0.5	0.9	0.0	0.0	1.9	23.6	3.2	54.6	0.5	14.8	0.0	100.0	
		Numbers	123	247	0	0	493	6,287	863	14,547	123	3,945	0	26,629 <sup>a</sup>	
Total		Percent	0.2	0.8	0.2	0.1	1.0	23.6	3.6	50.7	0.3	19.4	0.2	100.0	
		Numbers	211	1,030	202	155	1,203	28,872	4,356	62,123	366	23,785	202	122,505	

<sup>a</sup> Escapement count includes a post-weir estimate of 24,651 fish (8/24).

Table 10. Estimated age composition of Ilnik River sockeye salmon escapement by week, 2001.

Week	Sample Size	Ages											Total	
		0.2	1.1	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4			
22	5/24-5/30	Percent	0.0	0.0	51.9	0.5	29.9	8.4	0.0	7.0	2.3	0.0	100.0	
		Numbers	0	0	488	4	281	79	0	66	22	0	940	
	5/31-6/06	Percent	0.0	0.0	53.0	0.6	27.8	9.4	0.1	6.7	2.4	0.0	100.0	
		Numbers	0	0	1216	13	639	216	2	153	56	0	2294	
	6/07-6/13	Percent	0.0	0.0	57.4	1.2	19.5	13.6	0.3	5.2	2.6	0.0	100.0	
		Numbers	0	0	2,067	42	702	491	13	189	95	0	3,598	
	6/14-6/20	Percent	0.1	0.0	53.2	2.2	16.3	20.1	0.0	4.3	3.8	0.0	100.0	
		Numbers	14	0	6,123	250	1877	2307	1	494	440	0	11,506	
	6/21-6/27	Percent	0.7	0.7	41.0	1.8	15.3	28.2	0.0	5.0	7.2	0.0	100.0	
		Numbers	109	112	6,407	284	2,391	4,406	0	784	1125	0	15,618	
	6/28-7/04	Percent	1.7	2.2	38.5	2.6	15.9	25.4	0.2	8.5	4.8	0.2	100.0	
		Numbers	169	224	3,839	263	1,586	2,538	19	845	477	19	9,978	
	7/05-7/11	Percent	1.6	0.4	39.8	1.4	15.7	28.4	0.5	5.4	6.4	0.5	100.0	
		Numbers	129	36	3,215	110	1,267	2,297	37	440	515	37	8,082	
	7/12-7/18	Percent	1.6	0.0	40.1	1.0	15.6	29.2	0.5	4.7	6.8	0.5	100.0	
		Numbers	55	0	1,420	37	553	1,033	18	166	240	18	3,541	
	7/19-7/25	Percent	1.6	0.0	40.1	1.0	15.6	29.2	0.5	4.7	6.8	0.5	100.0	
		Numbers	38	0	980	25	382	713	13	115	165	13	2,443 <sup>a</sup>	
Total		Percent	0.9	0.6	44.4	1.8	16.7	24.3	0.2	5.6	5.4	0.2	100.0	
		Numbers	514	372	25,755	1,028	9,678	14,080	103	3,252	3,135	87	58,000	

<sup>a</sup> Escapement count includes a post-weir estimate of 2,443 fish (7/19).

Table 11. Length composition of Orzinski Lake sockeye salmon escapement samples by age and sex, 2001.

	Ages												
	0.1	0.2	0.3	1.1	1.2	1.3	1.4	2.1	2.2	2.3	3.1	3.3	Total
<i>Females</i>													
Mean Length	0	496	579	0	490	573	562	0	529	580	0	579	555
SE	n/a	26	3	n/a	4	1	20	n/a	7	2	n/a	5	2
Range	n/a	425-537	566-590	n/a	340-603	488-610	543-582	n/a	470-596	530-620	n/a	573-590	340-620
Sample Size	0	4	7	0	77	224	2	0	23	67	0	3	407
<i>Males</i>													
Mean Length	347	432	551	350	463	596	583	359	508	604	373	613	468
SE	7	23	56	3	3	3	15	1	9	3	6	5	4
Range	315-370	410-455	440-620	324-387	400-598	445-650	568-598	300-410	425-568	440-650	360-390	597-620	300-650
Sample Size	8	2	3	19	166	156	2	261	27	82	4	4	734
<i>All Fish</i>													
Mean Length	347	474	571	350	471	583	572	359	518	593	373	598	499
SE	7	22	15	3	2	1	12	1	6	2	6	8	3
Range	315-370	410-537	440-620	324-387	340-603	445-650	543-598	300-410	425-596	440-650	360-390	573-620	300-650
Sample Size	8	6	10	19	243	380	4	261	50	149	4	7	1,141

Table 12. Length composition of Nelson River sockeye salmon escapement samples by age and sex, 2001.

	Ages													
	0.2	0.3	0.4	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.3	Total
<b>Females</b>														
Mean Length	496	566	601	0	503	567	593	0	509	562	546	0	561	540
SE	10	3	n/a	n/a	4	2	28	n/a	2	3	n/a	n/a	n/a	2
Range	442-558	538-593	n/a	n/a	439-568	482-609	565-621	n/a	426-588	481-623	546-546	n/a	561-561	426-623
Sample Size	9	21	1	0	48	195	2	0	168	72	1	0	1	518
<b>Males</b>														
Mean Length	447	594	594	345	443	603	0	359	453	610	561	351	0	484
SE	6	7	19	15	2	3	n/a	2	2	5	n/a	n/a	n/a	3
Range	406-546	509-638	563-628	324-374	368-562	480-682	n/a	334-386	384-571	457-654	n/a	n/a	n/a	324-682
Sample Size	22	20	3	3	146	120	0	40	356	50	1	1	0	762
<b>All Fish</b>														
Mean Length	461	580	595	345	458	581	593	359	471	581	553	351	561	507
SE	7	4	13	15	3	2	28	2	2	3	8	n/a	n/a	2
Range	406-558	509-638	563-628	324-374	368-568	480-682	565-621	334-386	384-588	457-654	546-561	n/a	n/a	324-682
Sample Size	31	41	4	3	194	315	2	40	524	122	2	1	1	1,280

Table 13. Length composition of Sandy River sockeye salmon escapement samples by age and sex, 2001.

	Ages								
	0.3	0.4	1.1	1.2	1.3	1.4	2.2	2.3	Total
<b>Females</b>									
Mean Length	544	570	0	460	548	533	450	556	536
SE	11	n/a	n/a	7	2	2	10	5	2
Range	510-585	n/a	n/a	410-565	450-615	530-535	420-490	520-590	410-615
Sample Size	8	1	0	31	203	3	7	16	269
<b>Males</b>									
Mean Length	567	0	390	445	576	0	443	586	514
SE	21	n/a	n/a	4	3	n/a	6	6	5
Range	470-620	n/a	n/a	390-585	445-630	n/a	405-520	570-595	390-630
Sample Size	6	0	1	90	123	0	25	4	249
<b>All Fish</b>									
Mean Length	554	570	390	449	559	533	444	562	526
SE	11	n/a	n/a	3	2	2	5	5	3
Range	470-620	n/a	n/a	390-585	445-630	530-535	405-520	520-595	390-630
Sample Size	14	1	1	121	327	3	32	20	519

Table 14. Length composition of Bear Lake sockeye salmon escapement samples by age and sex, 2001.

	Ages													
	0.1	0.2	0.3	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.3	Total	
<b>Females</b>														
Mean Length	330	492	0	329	510	562	582	358	501	560	540	575	533	
SE	n/a	4	n/a	n/a	20	2	5	3	2	2	n/a	n/a	2	
Range	n/a	480-500	0-0	329-329	470-530	480-665	570-595	310-385	425-590	470-620	n/a	n/a	310-665	
Sample Size	1	4	0	1	3	233	4	33	269	294	1	1	844	
<b>Males</b>														
Mean Length	0	0	557	365	475	576	596	359	479	572	571	605	487	
SE	n/a	n/a	33	5	9	3	19	1	2	2	7	n/a	3	
Range	n/a	n/a	525-590	360-370	455-510	460-650	560-620	310-405	365-590	450-670	535-615	n/a	310-670	
Sample Size	0	0	2	2	6	166	3	290	441	298	11	1	1,220	
<b>All Fish</b>														
Mean Length	330	492	557	353	487	568	588	359	487	566	568	590	506	
SE	n/a	4	33	12	10	2	8	1	1	1	7	15	2	
Range	n/a	480-500	525-590	329-370	455-530	460-665	560-620	310-405	365-590	450-670	535-615	575-605	310-670	
Sample Size	1	4	2	3	9	399	7	323	710	592	12	2	2,064	

Table 15. Length composition of Ililik River sockeye salmon escapement samples by age and sex, 2001.

	Ages										
	0.2	0.3	0.4	1.1	1.2	1.3	1.4	2.2	2.3	2.4	Total
<b>Females</b>											
Mean Length	515	545	568	0	520	551	570	490	550	0	552
SE	28	1	2	n/a	24	2	4	83	4	n/a	1
Range	488-543	502-609	502-620	n/a	471-585	500-601	527-614	408-573	513-578	n/a	408-620
Sample Size	2	267	97	0	4	96	23	2	23	0	514
<b>Males</b>											
Mean Length	589	570	599	386	477	580	604	0	584	634	578
SE	7	2	3	1	16	2	4	n/a	3	n/a	1
Range	575-600	450-665	512-690	386-387	415-577	486-649	530-652	n/a	555-617	n/a	386-690
Sample Size	3	272	113	2	11	120	35	0	26	1	583
<b>All Fish</b>											
Mean Length	559	558	585	386	488	567	591	490	568	634	566
SE	20	1	2	1	14	2	4	83	3	n/a	1
Range	488-600	450-665	502-690	386-387	415-585	486-649	527-652	408-573	513-617	n/a	386-690
Sample Size	5	539	210	2	15	216	58	2	49	1	1,097

Table 16. Estimated sex composition of Orzinski Lake sockeye salmon escapement by week, 2001.

Week	Dates	Sample			Escapement			Number		
		Females	Males	Total	Females	Males	Females	Males	Total	
24	6/07-6/13	0	0	0	0.0	100.0	0	1	1	
25	6/14-6/20	0	0	0	45.7	54.3	91	108	199	
26	6/21-6/27	0	0	0	45.8	54.2	1,049	1,240	2,289	
27	6/28-7/04	110	130	240	44.6	55.4	3,331	4,140	7,471	
28	7/05-7/11	85	155	240	37.0	63.0	1,921	3,269	5,190	
29	7/12-7/18	111	129	240	39.7	60.3	2,323	3,532	5,855	
30	7/19-7/25	42	198	240	23.0	77.0	401	1,343	1,744	
31	7/26-8/01	77	163	240	31.3	68.7	2,644	5,807	8,451	
<b>Total</b>		<b>425</b>	<b>775</b>	<b>1,200</b>	<b>37.7</b>	<b>62.3</b>	<b>11,760</b>	<b>19,440</b>	<b>31,200</b>	

Table 17. Estimated sex composition of Nelson River sockeye salmon escapement by week, 2001.

Week	Dates	Sample			Escapement					
		Females	Males	Total	Percent	Females	Males	Females	Males	Total
24	6/07-6/13	0	0	0	45.6	54.4	201	240	441	
25	6/14-6/20	88	105	193	45.0	55.0	8,363	10,203	18,566	
26	6/21-6/27	90	150	240	38.4	61.6	13,013	20,919	33,932	
27	6/28-7/04	113	207	320	35.5	64.5	22,380	40,643	63,023	
28	7/05-7/11	86	154	240	36.5	63.5	11,715	20,403	32,118	
29	7/12-7/18	101	139	240	41.4	58.6	6,714	9,495	16,209	
30	7/19-7/25	107	133	240	44.5	55.5	16,763	20,910	37,673	
<b>Total</b>		<b>585</b>	<b>888</b>	<b>1,473</b>	<b>39.2</b>	<b>60.8</b>	<b>79,149</b>	<b>122,813</b>	<b>201,962</b>	

Table 18. Estimated sex composition of Sandy River sockeye salmon escapement by week, 2001.

Week	Dates	Sample			Escapement			Number		
					Percent					
		Females	Males	Total	Females	Males	Females	Males	Total	
24	6/07-6/13	0	0	0	45.8	54.2	11	13	24	
25	6/14-6/20	96	116	212	47.2	52.8	941	1,054	1,995	
26	6/21-6/27	152	117	269	53.8	46.2	4,585	3,943	8,528	
27	6/28-7/04	60	57	117	51.9	48.1	585	543	1,128	
<b>Total</b>		<b>308</b>	<b>290</b>	<b>598</b>	<b>52.4</b>	<b>47.6</b>	<b>6,122</b>	<b>5,553</b>	<b>11,675</b>	

Table 19. Estimated sex composition of Bear River sockeye salmon escapement by week, 2001.

Week	Dates	Sample			Percent		Escapement		
		Females	Males	Total	Females	Males	Females	Males	Total
22	5/24-5/30	0	0	0	33.3	66.7	4	8	12
23	5/31-6/06	0	0	0	37.1	62.9	137	232	369
24	6/07-6/13	0	0	0	37.1	62.9	953	1,616	2,569
25	6/14-6/20	89	151	240	38.3	61.7	5,347	8,621	13,968
26	6/21-6/27	105	135	240	42.9	57.1	12,658	16,839	29,497
27	6/28-7/04	85	155	240	41.2	58.8	6,190	8,847	15,037
28	7/05-7/11	126	114	240	49.5	50.5	18,662	19,077	37,739
29	7/12-7/18	99	141	240	46.4	53.6	12,134	14,037	26,171
30	7/19-7/25	134	106	240	50.3	49.7	22,532	22,225	44,757
31	7/26-8/01	82	158	240	34.9	65.1	2,918	5,452	8,370
32	8/02-8/08	71	169	240	33.0	67.0	12,826	26,082	38,908
33	8/09-8/15	97	143	240	38.7	61.3	14,965	23,750	38,715
34	8/16-8/22	52	108	160	32.7	67.3	5,639	11,620	17,259
35	8/23-8/29	0	0	0	32.5	67.5	8,654	17,975	26,629
Total		940	1,380	2,320	41.2	58.8	123,621	176,379	300,000

Table 20. Estimated sex composition of Ililik River sockeye salmon escapement by week, 2001.

Week	Dates	Sample			Escapement			Number		
		Females	Males	Total	Percent		Females	Males	Total	
					Females	Males				
22	5/24-5/30	0	0	0	38.8	61.2	365	575	940	
23	5/31-6/06	99	156	255	40.8	59.2	936	1,358	2,294	
24	6/07-6/13	124	127	251	47.5	52.5	1,708	1,890	3,598	
25	6/14-6/20	105	135	240	46.2	53.8	5,317	6,189	11,506	
26	6/21-6/27	141	129	270	52.8	47.2	8,243	7,375	15,618	
27	6/28-7/04	39	30	69	53.2	46.8	5,304	4,674	9,978	
28	7/05-7/11	114	127	241	48.5	51.5	3,916	4,166	8,082	
29	7/12-7/18	0	0	0	47.3	52.7	1,675	1,866	3,541	
30	7/19-7/25	0	0	0	47.3	52.7	1,156	1,287	2,443	
<b>Total</b>		<b>622</b>	<b>704</b>	<b>1,326</b>	<b>49.3</b>	<b>50.7</b>	<b>28,620</b>	<b>29,380</b>	<b>58,000</b>	

Table 21. Age composition of Blue Bill Lake sockeye salmon carcass otolith samples, 2001.

Date		Ages				Total
		1.2	1.3	1.4	2.3	
9/25/01	Numbers	6	74	20	3	103
	Percent	6.0	72.0	19.0	3.0	100
Total	Numbers	6	74	20	3	103
	Percent	6.0	72.0	19.0	3.0	100

Table 22. Age composition of Outer Marker Lake sockeye salmon carcass otolith samples, 2001.

Date		Ages			Total
		1.2	1.3	1.4	
10/1/01	Numbers	1	46	6	53
	Percent	2.0	87.0	11.0	100.0
Total	Numbers	1	46	6	53
	Percent	2.0	87.0	11.0	100.0

Table 23. Age composition of Sandy River sockeye salmon smolt by week, 2001.

Stat Week	Sample Size		Ages					Total
			0	1	2	3	4	
25	229	Percent	0	98.7	1.3	0	0	100
		Numbers	0	226	3	0	0	229
26	176	Percent	0	98.9	1.1	0	0	100
		Numbers	0	174	2	0	0	176
Total	405	Percent	0	98.8	1.2	0	0	100
		Numbers	0	400	5	0	0	405

Table 24. Length, weight, and condition factor of Sandy River sockeye salmon smolt, by age and week, 2001.

Age	Stat Week	Length			Weight			Condition		
		Sample Size	Mean	Standard Error	Sample Size	Mean	Standard Error	Sample Size	Mean	Standard Error
1	25	226	97.0	0.20	226	9.3	0.05	226	1.02	0.004
1	26	174	98.7	0.31	174	9.5	0.08	174	0.98	0.004
Total		400	97.8	0.18	400	9.4	0.05	400	1.00	0.003
2	25	3	101.0	3.21	3	9.1	0.41	3	0.90	0.104
2	26	2	100.5	1.50	2	10.6	0.45	2	1.04	0.002
Total		5	100.8	1.83	5	9.7	0.44	5	0.96	0.066

Figure 25. Age composition of Sandy River sockeye salmon smolt by year, 1995-2001.

Year	Sample Dates	Sample Size	Ages						Total	
			0	1	2	3	4			
1995	06/26-06/30	163	Percent	0.0	100.0	0.0	0.0	0.0	100	
			Numbers	0	163	0	0	0	163	
1996	06/18-07/17	231	Percent	84.4	15.6	0.0	0.0	0.0	100	
			Numbers	195	36	0	0	0	231	
1997	06/02-07/12	695	Percent	56.8	43.2	0.0	0.0	0.0	100	
			Numbers	395	300	0	0	0	695	
1998	06/24-07/08	77	Percent	0.0	97.4	2.6	0.0	0.0	100	
			Numbers	0	75	2	0	0	77	
1999	06/12-07/20	1,107	Percent	0.2	95.3	4.5	0.0	0.0	100	
			Numbers	2	1055	50	0	0	1,107	
2000	06/26-07/22	776	Percent	4.3	93.8	1.9	0.0	0.0	100	
			Numbers	33	728	15	0	0	776	
2001	06/18-06/27	405	Percent	0.0	98.8	1.2	0.0	0.0	100	
			Numbers	0	400	5	0	0	405	
Total		3,454	Percent	18.1	79.8	2.1	0.0	0.0	100	
			Numbers	625	2,757	72	0	0	3,454	

Table 26. Age composition of Bear Lake sockeye salmon smolt, by week, 2001.

Stat Week	Sample Size		Ages					Total
			0	1	2	3	4	
21	2	Percent	0.0	0.0	50.0	50.0	0.0	100
		Numbers	0	0	1	1	0	2
22	21	Percent	0.0	4.8	90.5	4.8	0.0	100
		Numbers	0	1	19	1	0	21
23	58	Percent	0.0	6.9	75.9	17.2	0.0	100
		Numbers	0	4	44	10	0	58
24	195	Percent	0.0	3.6	88.7	7.7	0.0	100
		Numbers	0	7	173	15	0	195
25	200	Percent	0.0	6.5	82.0	11.5	0.0	100
		Numbers	0	13	164	23	0	200
26	199	Percent	0.0	26.6	68.3	5.0	0.0	100
		Numbers	0	53	136	10	0	199
27	98	Percent	0.0	28.6	66.3	5.1	0.0	100
		Numbers	0	28	65	5	0	98
28	156	Percent	0.0	54.5	44.2	1.3	0.0	100
		Numbers	0	85	69	2	0	156
29	356	Percent	0.6	48.0	46.9	4.5	0.0	100
		Numbers	2	171	167	16	0	356
30	207	Percent	0.0	61.4	35.7	2.9	0.0	100
		Numbers	0	127	74	6	0	207
31	222	Percent	0.0	64.0	34.2	1.8	0.0	100
		Numbers	0	142	76	4	0	222
32	188	Percent	3.2	72.3	23.9	0.5	0.0	100
		Numbers	6	136	45	1	0	188
33	15	Percent	0.0	66.7	33.3	0.0	0.0	100
		Numbers	0	10	5	0	0	15
Total	1917	Percent	0.4	40.5	54.1	4.9	0.0	100
		Numbers	8	777	1038	94	0	1917

Table 27. Length, weight, and condition of Bear Lake sockeye salmon smolt, by age and week, 2001.

Age	Stat Week	Length			Weight			Condition		
		Sample Size	Mean	Standard Error	Sample Size	Mean	Standard Error	Sample Size	Mean	Standard Error
0	29	2	74.5	3.50	2	4.1	0.75	2	0.99	0.041
0	32	6	72.7	2.88	6	3.7	0.41	6	0.95	0.056
Total		8	73.1	2.23	8	3.8	0.34	8	0.96	0.042
1	22	1	84.0	0.00	1	4.5	0.00	1	0.76	0.000
1	23	4	98.3	15.85	4	10.6	5.61	4	0.88	0.065
1	24	7	103.9	8.14	7	11.6	3.33	7	0.94	0.068
1	25	13	109.8	2.68	13	11.9	0.78	13	0.90	0.032
1	26	53	112.3	0.97	53	13.7	0.32	53	0.96	0.009
1	27	28	110.6	1.57	28	13.1	0.55	28	0.95	0.014
1	28	85	115.1	0.62	85	15.2	0.27	85	0.99	0.006
1	29	171	116.4	0.57	171	15.7	0.24	171	0.98	0.005
1	30	127	116.8	0.57	127	16.0	0.24	127	1.00	0.006
1	31	142	118.9	0.47	142	17.3	0.23	142	1.02	0.005
1	32	136	123.7	0.52	136	19.6	0.26	136	1.03	0.005
1	33	10	123.8	1.66	10	19.6	0.87	10	1.03	0.013
Total		777	117.3	0.30	777	16.3	0.13	777	1.00	0.003
2	21	1	78.0	0.00	1	3.4	0.00	1	0.72	0.000
2	22	19	99.9	4.88	19	10.0	1.27	19	0.94	0.071
2	23	44	122.1	1.69	44	16.0	0.87	44	0.84	0.016
2	24	173	126.5	0.56	173	19.8	0.28	173	0.97	0.006
2	25	164	122.2	0.70	164	17.4	0.32	164	0.94	0.006
2	26	136	117.5	0.60	136	15.5	0.23	136	0.95	0.005
2	27	65	117.2	0.99	65	15.6	0.38	65	0.96	0.009
2	28	69	121.2	0.93	69	17.3	0.44	69	0.96	0.011
2	29	167	120.1	0.82	167	17.2	0.42	167	0.97	0.005
2	30	74	119.9	1.09	74	17.7	0.44	74	1.01	0.007
2	31	76	122.9	0.87	76	19.2	0.42	76	1.02	0.008
2	32	45	124.4	0.97	45	20.6	0.47	45	1.06	0.009
2	33	5	120.8	4.09	5	16.9	2.24	5	0.93	0.054
Total		1038	121.1	0.31	1038	17.5	0.14	1038	0.96	0.003
3	21	1	115.0	0.00	1	11.0	0.00	1	0.72	0.000
3	22	1	121.0	0.00	1	18.1	0.00	1	1.02	0.000
3	23	10	141.0	3.75	10	25.9	2.12	10	0.89	0.030
3	24	15	130.9	2.10	15	22.0	1.12	15	0.97	0.024
3	25	23	131.7	2.89	23	22.3	1.52	23	0.95	0.021
3	26	10	125.2	3.92	10	18.9	1.99	10	0.94	0.020
3	27	5	134.4	4.58	5	23.2	2.37	5	0.94	0.017
3	28	2	116.5	10.50	2	15.8	4.05	2	0.97	0.008
3	29	16	128.4	4.28	16	21.0	2.37	16	0.93	0.022
3	30	6	129.5	8.23	6	22.7	4.91	6	0.99	0.027
3	31	4	134.3	5.02	4	23.5	2.63	4	0.96	0.017
3	32	1	161.0	0.00	1	41.3	0.00	1	0.99	0.000
Total		94	131.1	1.45	94	22.1	0.78	94	0.94	0.009

Table 28. Age composition of Bear Lake sockeye salmon smolt, 1967-2001.

Year	Sample Dates	Sample Size	Ages					Total	
			0	1	2	3	4		
1967	05/03-07/27	165	Percent Numbers	0.0 0	6.1 10	93.3 154	0.6 1	0.0 0	100 165
1968	06/01-08/24	626	Percent Numbers	0.2 1	24.0 150	75.9 475	0.0 0	0.0 0	100 626
1969	06/01-08/04	508	Percent Numbers	0.0 0	12.2 62	87.8 446	0.0 0	0.0 0	100 508
1970	05/17-08/08	603	Percent Numbers	0.0 0	7.8 47	92.2 556	0.0 0	0.0 0	100 603
1971	06/14-07/03	346	Percent Numbers	0.0 0	27.2 94	72.0 249	0.9 3	0.0 0	100 346
1972	06/08-06/20	168	Percent Numbers	0.0 0	9.5 16	90.5 152	0.0 0	0.0 0	100 168
1973	06/07-07/05	39	Percent Numbers	0.0 0	15.4 6	84.6 33	0.0 0	0.0 0	100 39
1974	06/15-08/23	77	Percent Numbers	0.0 0	29.9 23	70.1 54	0.0 0	0.0 0	100 77
1975	06/04-08/25	114	Percent Numbers	0.0 0	22.8 26	77.2 88	0.0 0	0.0 0	100 114
1978	05/29-08/01	80	Percent Numbers	0.0 0	30.0 24	70.0 56	0.0 0	0.0 0	100 80
1980	05/05-07/04	138	Percent Numbers	1.4 2	10.1 14	87.0 120	1.4 2	0.0 0	100 138
1986	05/30-07/16	1,016	Percent Numbers	0.4 4	1.9 19	95.0 965	2.8 28	0.0 0	100 1,016
1987	06/07-06/18	393	Percent Numbers	0.0 0	1.3 5	95.7 376	3.1 12	0.0 0	100 393
1988	05/29-08/22	2,056	Percent Numbers	0.5 11	52.4 1078	46.8 963	0.2 4	0.0 0	100 2,056

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Table 28. Page 2 of 2.

Year	Sample Dates	Sample Size	Ages						Total	
			0	1	2	3	4			
1989	05/31-07/29	1,584	Percent	0.8	26.2	72.9	0.1	0.0	100	
			Numbers	12	415	1155	2	0	1,584	
1992	06/09-07/24	1,337	Percent	0.0	11.3	88.6	0.1	0.0	100	
			Numbers	0	151	1184	2	0	1,337	
1993	06/01-08/02	1,587	Percent	0.0	7.6	92.3	0.1	0.0	100	
			Numbers	0	121	1465	1	0	1,587	
1994	06/08-07/20	1,283	Percent	0.0	9.7	87.3	3.0	0.0	100	
			Numbers	0	125	1120	38	0	1,283	
1995	06/15-07/23	1,021	Percent	0.1	12.0	87.8	0.1	0.0	100	
			Numbers	1	123	896	1	0	1,021	
1996	06/12-07/17	603	Percent	0.3	7.6	91.9	0.2	0.0	100	
			Numbers	2	46	554	1	0	603	
1997	06/23-08/15	1,240	Percent	0.1	43.7	56.1	0.1	0.0	100	
			Numbers	1	542	696	1	0	1,240	
1998	06/20-08/21	1,424	Percent	0.0	55.3	44.7	0.1	0.0	100	
			Numbers	0	787	636	1	0	1,424	
1999	06/13-08/24	2,057	Percent	0.0	1.6	97.9	0.5	0.0	100	
			Numbers	1	33	2013	10	0	2,057	
2000	05/18-08/11	2,135	Percent	0.6	31.9	66.9	0.6	0.0	100	
			Numbers	12	682	1428	12	1	2,135	
2001	05/23-08/09	1,917	Percent	0.4	40.5	54.1	4.9	0.0	100	
			Numbers	8	777	1038	94	0	1,917	
<b>Total</b>		22,517	Percent	0.2	23.9	74.9	0.9	0.0	100	
			Numbers	55	5,376	16,872	213	1	22,517	

Table 29. Alaska Peninsula commercial salmon harvest in numbers of fish by statistical area, section, and district, 2001.

Statistical Area		Number of Salmon					
Area	Section	Chinook	Sockeye	Coho	Pink	Chum	Total <sup>a</sup>
<b><i>SOUTH PENINSULA</i></b>							
<b><i>SOUTHEASTERN DISTRICT</i></b>							
281-15	Kupreanof Point	11	2,134	219	13,206	2,670	18,240
281-25	Stepovak Bay	115	132,894	15,689	169,289	49,077	367,064
<b>East Stepovak Section Total</b>		<b>126</b>	<b>135,028</b>	<b>15,908</b>	<b>182,495</b>	<b>51,747</b>	<b>385,304</b>
281-30	Stepovak Flats Section	7	417	10	345	4,308	5,087
281-40	Grub Gulch/Clark Bay	12	16,451	445	42,389	16,804	76,101
281-50	Orzinski Bay	1	8,736	17	1,426	1,680	11,860
281-55	American Bay	7	15,113	1,309	29,249	6,419	52,097
281-62	Chichagof Bay	5	7,804	225	109,306	9,300	126,640
281-65	Suzy Creek	10	6,715	142	6,891	2,867	16,625
281-67	Dorenai Bay	0	17	1	15,410	1,723	17,151
<b>Northwest Stepovak Section Total</b>		<b>35</b>	<b>54,836</b>	<b>2,139</b>	<b>204,671</b>	<b>38,793</b>	<b>300,474</b>
281-70	Southwest Stepovak Section	99	60,451	8,630	156,257	40,008	265,445
281-80	Balboa Bay Section	67	23,363	4,074	275,774	50,087	353,365
281-90	Beaver Bay Section	0	403	18	161,186	3,926	165,533

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Table 29. Page 2 of 6.

Statistical		Number of Salmon					
Area	Section	Chinook	Sockeye	Coho	Pink	Chum	Total <sup>a</sup>
282-10	Popof Strait/Squaw Harbor	4	5,668	829	126,410	5,950	138,861
282-11	Unga Cape/East Popof	1,745	82,525	134,062	743,244	92,585	1,054,161
282-20	Acheredin Bay	0	3,935	54	6,812	3,715	14,516
282-25	West Unga Island	5	10,094	899	10,804	7,197	28,999
282-32	Outer Zachary Bay	0	0	0	5,046	1,078	6,124
282-35	Inner Zachary Bay	0	136	34	41,296	7,971	49,437
282-40	East Head/West Head	0	243	38	1,561	360	2,202
282-42	Korovin Island	11	13,531	6,661	44,437	9,935	74,575
282-65	Southeast Nagai Island	5	2,137	1,146	7,797	1,103	12,188
282-70	Southwest Nagai Island	28	8,276	799	25,384	10,173	44,660
282-75	Cape Horn/Porpoise Rocks	5	2,963	47	3,988	2,159	9,162
282-80	East Nagai Strait	0	28	3	58	0	89
<b>Shumagin Islands Section Total</b>		<b>1,803</b>	<b>129,536</b>	<b>144,572</b>	<b>1,016,837</b>	<b>142,226</b>	<b>1,434,974</b>
<b>SOUTHEASTERN DISTRICT TOTAL</b>		<b>2,137</b>	<b>404,034</b>	<b>175,351</b>	<b>1,997,565</b>	<b>331,095</b>	<b>2,910,182</b>
<i>SOUTH CENTRAL DISTRICT</i>							
283-15	Mino Creek - Mc Ginty Point	0	7	0	39,708	2,465	42,180
283-17	Coal Bay - South Cape Tolstoi	0	757	81	222,754	2,928	226,520
<b>Mino Cr. - Little Coal B. Section Total</b>		<b>0</b>	<b>764</b>	<b>81</b>	<b>262,462</b>	<b>5,393</b>	<b>268,700</b>
283-21	Northside Cape Tolstoi	1	76	0	2,008	136	2,221
283-23	Eastside Pavlof Bay	1	12	1	168,118	7,566	175,698
<b>East Pavlof Bay Section Total</b>		<b>2</b>	<b>88</b>	<b>1</b>	<b>170,126</b>	<b>7,702</b>	<b>177,919</b>

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Table 29. Page 3 of 6.

Area	Section	Number of Salmon					
		Chinook	Sockeye	Coho	Pink	Chum	Total <sup>a</sup>
283-24	<b>Canoe Bay Section</b>	4	149	24	241,528	96,263	337,968
283-25	Northwest Pavlof Bay	0	9	0	1,126	5,581	6,716
283-26	Long Beach/Ukolnoi	1	2,636	85	20,253	6,325	29,300
	<b>West Pavlof Bay Section Total</b>	<b>1</b>	<b>2,645</b>	<b>85</b>	<b>21,379</b>	<b>11,906</b>	<b>36,016</b>
	<b><i>SOUTH CENTRAL DISTRICT TOTAL</i></b>	<b>7</b>	<b>3,646</b>	<b>191</b>	<b>695,495</b>	<b>121,264</b>	<b>820,603</b>
	<b><i>SOUTHWESTERN DISTRICT</i></b>						
284-36	Volcano Bay	1	340	267	43,028	154,314	197,950
284-37	Northside Dolgoi Island	2	15,913	2,174	83,207	17,698	118,994
284-38	South Dolgoi/Moss Cape	0	3,839	179	75,337	3,660	83,015
284-39	Poperechnoi Island	0	1,001	1,288	5,905	722	8,916
	<b>Volcano Bay Section Total</b>	<b>3</b>	<b>21,093</b>	<b>3,908</b>	<b>207,477</b>	<b>176,394</b>	<b>408,875</b>
284-42	Belkofski Bay	2	12,866	149	280,984	63,613	357,614
284-45	King Cove	0	2,778	257	115,471	13,352	131,858
	<b>Belkofski Bay Section Total</b>	<b>2</b>	<b>15,644</b>	<b>406</b>	<b>396,455</b>	<b>76,965</b>	<b>489,472</b>
284-55	<b>Deer Island Section</b>	0	67	15	392,245	3,117	395,444
284-62	Outer Cold Bay	0	2,254	0	1,531	1,485	5,270
284-65	Lenard Harbor	0	49	0	28,733	65,008	93,790
284-67	Inner Cold Bay	0	276	0	48	11,031	11,355
	<b>Cold Bay Section Total</b>	<b>0</b>	<b>2,579</b>	<b>0</b>	<b>30,312</b>	<b>77,524</b>	<b>110,415</b>

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Table 29. Page 4 of 6.

Statistical		Number of Salmon					
Area	Section	Chinook	Sockeye	Coho	Pink	Chum	Total <sup>a</sup>
284-75	<b>Thin Point Section</b>	0	17,581	521	12,536	13,552	44,190
284-80	<b>Morzhovoi Bay Section</b>	0	1,619	0	2,775	15,022	19,416
284-90	<b>Ikatan Bay Section</b>	98	92,007	28,745	43,750	42,861	207,461
<i><b>SOUTHWESTERN DISTRICT TOTAL</b></i>		<i>103</i>	<i>150,590</i>	<i>33,595</i>	<i>1,085,550</i>	<i>405,435</i>	<i>1,675,273</i>
<i><b>UNIMAK DISTRICT</b></i>							
285-10	<b>Sanak Island Section</b>	0	389	9	40	15	453
285-20	Bird Island	2	10,569	0	820	3,124	14,515
285-30	Cape Lazaref	20	23,409	0	2,005	8,305	33,739
<b>Otter Cove Section Total</b>		22	33,978	0	2,825	11,429	48,254
285-40	<b>Cape Lutke Section</b>	33	14,043	0	812	5,541	20,429
<i><b>UNIMAK DISTRICT TOTAL</b></i>		<i>55</i>	<i>48,410</i>	<i>9</i>	<i>3,677</i>	<i>16,985</i>	<i>69,136</i>
<i><b>SOUTH PENINSULA TOTAL</b></i>							
<b><i>NORTH PENINSULA</i></b>							
<i><b>NORTHWESTERN DISTRICT</b></i>							
311-32	<b>Urilia Bay Section</b>	19	34,980	0	167	6,873	42,039
311-52	<b>Swanson Lagoon Section</b>	10	5,113	0	385	2,155	7,663

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Table 29. Page 5 of 6.

Statistical		Number of Salmon					
Area	Section	Chinook	Sockeye	Coho	Pink	Chum	Total <sup>a</sup>
311-58	Outer Bechevin Bay	0	4,160	22	615	2,570	7,367
311-60	Inner Bechevin Bay	0	381	0	2,966	29,779	33,126
<b>Bechevin Bay Section Total</b>		<b>0</b>	<b>4,541</b>	<b>22</b>	<b>3,581</b>	<b>32,349</b>	<b>40,493</b>
312-20	Izembek Bay	0	2,497	0	0	872	3,369
312-40	Moffet Bay	0	3,601	0	24	64,750	68,375
<b>Izembeck-Moffet Bay Section Total</b>		<b>0</b>	<b>6,098</b>	<b>0</b>	<b>24</b>	<b>65,622</b>	<b>71,744</b>
<b>NORTHWESTERN DISTRICT TOTAL</b>		<b>29</b>	<b>50,732</b>	<b>22</b>	<b>4,157</b>	<b>106,999</b>	<b>161,939</b>
<i>NORTHERN DISTRICT</i>							
313-10	Black Hills Section	266	16,263	86	785	8,054	25,454
313-30	Nelson Lagoon Section	2,164	174,363	2,918	63	5,343	184,851
314-12	Port Moller Bight Section	0	1,967	42	4	4	2,017
314-20	Herendeen-Moller Bay Section	0	8	0	2	13,514	13,524
315-11	Bear River	962	466,223	7,531	3,431	15,387	493,534
315-20	Muddy River	1	61,061	2,500	489	1,099	65,150
<b>Bear River Section Total</b>		<b>963</b>	<b>527,284</b>	<b>10,031</b>	<b>3,920</b>	<b>16,486</b>	<b>558,684</b>
316-10	Three Hills Section	178	165,878	3,135	1,180	6,877	177,248

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Table 29. Page 6 of 6.

Area	Section	Number of Salmon					
		Chinook	Sockeye	Coho	Pink	Chum	Total <sup>a</sup>
316-20	Outside Ilnik	234	197,145	4,473	2,147	10,732	214,731
316-25	Strogonof Point	4	7,896	15	211	278	8,404
<b>Ilnik Section Total</b>		<b>238</b>	<b>205,041</b>	<b>4,488</b>	<b>2,358</b>	<b>11,010</b>	<b>223,135</b>
318-20	<b>Cinder River Section</b>	573	5,482	1,439	0	9	7,503
<b>NORTHERN DISTRICT TOTAL</b>		<b>4,382</b>	<b>1,096,286</b>	<b>22,139</b>	<b>8,312</b>	<b>61,297</b>	<b>1,192,416</b>
<b>NORTH PENINSULA TOTAL</b>		<b>4,411</b>	<b>1,147,018</b>	<b>22,161</b>	<b>12,469</b>	<b>168,296</b>	<b>1,354,355</b>
<b>ALASKA PENINSULA AREA TOTAL</b>		<b>6,713</b>	<b>1,753,698</b>	<b>231,307</b>	<b>3,794,756</b>	<b>1,043,075</b>	<b>6,829,549</b>

<sup>a</sup> Harvest numbers do not include test fish catches.

Table 30. Estimated age composition of sampled chinook catches by area and date, Alaska Peninsula Management Area, 2001.

Area	Sample Dates	Size	Ages						Total			
			1.1	1.2	1.3	1.4	1.5	1.6				
<b>NORTH PENINSULA</b>												
Nelson Lagoon Section												
6/14-7/11	796	Percent	1.8	16.9	19.7	45.1	14.8	1.8	100.0			
		Numbers	37	355	413	947	310	38	2,101 <sup>a</sup>			
Harbor Point to Strogonoof Point												
6/21-6/27	163	Percent	1.2	1.2	20.9	61.3	14.1	1.2	100.0			
		Numbers	11	11	186	547	126	11	891 <sup>a</sup>			
Total	959	Percent	1.6	12.2	20.0	49.9	14.6	1.6	100.0			
		Numbers	48	366	599	1,494	436	49	2,992			

<sup>a</sup> Age composition estimates represent harvest from only a portion of the catch (see individual tables).

Table 31. Estimated age composition of Nelson Lagoon Section (313-30) commercial chinook salmon catch, weeks 25 through 28, 2001.

Week	Sample Size	Ages							Total
		1.1	1.2	1.3	1.4	1.5	1.6		
25 6/14-6/20	358	Percent	3.1	36.3	29.6	24.3	5.9	0.8	100.0
		Numbers	15	183	149	122	30	4	503
26 6/21-6/27	345	Percent	1.4	12.2	18.6	46.4	18.8	2.6	100.0
		Numbers	15	129	196	491	200	28	1,059
27 6/28-7/04	60	Percent	0.0	13.3	16.7	55.0	15.0	0.0	100.0
		Numbers	0	44	55	180	49	0	328
28 7/05-7/11	33	Percent	3.0	0.0	6.1	72.7	15.2	3.0	100.0
		Numbers	6	0	13	153	32	6	211
Total	796	Percent	1.8	16.9	19.7	45.1	14.8	1.8	100
		Numbers	37	355	413	947	310	38	2,101 <sup>a</sup>

<sup>a</sup> Age composition estimates represent harvest from weeks 25-28. The total Nelson Lagoon Section chinook salmon harvest was 2,164.

Table 32. Estimated age composition of Harbor Point-Strogonof Point (314-12 and 315-00 through 316-99) commercial chinook salmon catch, week 26, 2001.

Week	Sample Size		Ages						Total
			1.1	1.2	1.3	1.4	1.5	1.6	
26 6/21-6/27	163	Percent	1.2	1.2	20.9	61.3	14.1	1.2	100.0
		Numbers	11	11	186	547	126	11	891
Total	163	Percent	1.2	1.2	20.9	61.4	14.1	1.2	100.0
		Numbers	11	11	186	547	126	11	891 <sup>a</sup>

<sup>a</sup> Age composition estimates represent harvest during week 26. The total Harbor Point-Strogonof Point chinook salmon harvest was 1,379.

Table 33. Estimated age composition of sampled sockeye salmon catches by area and date, Alaska Peninsula Management Area, 2001.

Area	Sample Dates	Size	Ages															Total	
			0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	3.2	1.5	2.4	3.3	4.2		
<i>Southeastern District Mainland</i>																			
7/26-9/12	3,090	%	0.0	0.0	3.1	1.1	0.0	0.1	27.4	6.6	0.1	58.3	2.1	0.0	0.2	0.9	0.0	0.0	100.0
		no.	48	0	4,082	1,442	48	125	36,431	8,797	128	77,412	2,739	0	330	1,194	10	25	132,812 <sup>a</sup>
<i>Shumagin Islands Section</i>																			
7/12-8/15	2,309	%	0.7	0.0	2.3	18.5	0.3	0.1	23.9	28.0	0.2	22.4	2.1	0.0	0.3	1.1	0.0	0.0	100.0
		no.	646	17	2,032	16,613	310	125	21,383	25,060	188	20,046	1,913	0	255	1,003	0	0	89,591 <sup>a</sup>
<i>Nelson Lagoon Section</i>																			
5/31-8/29	2,528	%	0.3	0.0	2.7	5.8	0.0	0.4	45.5	21.4	0.1	23.4	0.0	0.0	0.1	0.4	0.0	0.0	100.0
		no.	455	33	4,686	10,137	11	648	79,266	37,345	217	40,714	0	0	137	716	0	0	174,363 <sup>a</sup>
<i>Harbor Point to Cape Seniavin</i>																			
6/14-6/27	394	%	0.0	0.0	3.8	2.2	0.0	1.1	54.2	11.0	1.6	26.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0
		no.	7	0	2,846	1,628	0	817	40,868	8,258	1,212	19,690	0	0	13	7	0	0	75,346 <sup>a</sup>
<i>Harbor Point to Strogonoof Point</i>																			
6/21-9/5	1,756	%	0.2	0.0	2.6	2.8	0.0	0.8	27.2	29.9	1.1	34.6	0.2	0.0	0.5	0.1	0.0	0.0	100.0
		no.	1,756	18	22,512	24,088	124	7,114	233,915	257,011	9,752	297,603	1,358	151	4,202	1,157	0	29	860,790 <sup>a</sup>
<i>Black Hills</i>																			
7/12-7/18	367	%	0.0	0.0	2.7	13.1	0.0	0.0	43.1	5.4	1.6	33.2	0.0	0.0	0.5	0.3	0.0	0.0	100.0
		no.	0	0	166	799	0	0	2,629	333	100	2,030	0	0	33	17	0	0	6,106 <sup>a</sup>
Total	10,444	%	0.2	0.0	2.7	4.1	0.0	0.7	31.0	25.2	0.9	34.2	0.4	0.0	0.4	0.3	0.0	0.0	100.0
		no.	2,912	68	36,324	54,707	493	8,829	414,492	336,804	11,597	457,495	6,010	151	4,970	4,094	10	54	1,339,008

<sup>a</sup> Age composition estimates represent harvest from only a portion of the catch (see individual tables).

Table 34. Estimated age composition of Southeastern District Mainland (281-00 through 281-99) commercial sockeye salmon catch, weeks 31 through 37, 2001.

Week	Sample Size		Ages													Total		
			0.2	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	3.2	2.4	3.3	4.2	3.4		
31 7/26-8/01	1,538	Percent	0.3	2.3	5.9	0.3	0.1	46.2	10.3	0.5	32.5	0.3	0.3	0.9	0.1	0.0	100.0	
		Numbers	48	336	865	48	10	6,821	1,527	77	4,803	48	48	134	10	0	14,775	
32 8/02-8/08	704	Percent	0.0	4.4	1.6	0.0	0.0	39.3	3.0	0.3	49.7	0.7	0.3	0.6	0.0	0.1	100.0	
		Numbers	0	790	280	0	0	7,056	535	51	8,916	127	51	102	0	25	17,933	
33 8/09-8/15	354	Percent	0.0	5.9	0.6	0.0	0.3	28.0	7.1	0.0	55.1	0.8	0.6	1.7	0.0	0.0	100.0	
		Numbers	0	2,430	231	0	116	11,457	2,893	0	22,568	347	231	694	0	0	40,969	
34-35 8/16-8/29	0	Percent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		Numbers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
36 8/30-9/05	137	Percent	0.0	0.0	0.0	0.0	0.0	21.9	10.2	0.0	62.8	5.1	0.0	0.0	0.0	0.0	100.0	
		Numbers	0	0	0	0	0	7,809	3,644	0	22,386	1,822	0	0	0	0	35,661	
37 9/06-9/12	357	Percent	0.0	2.2	0.3	0.0	0.0	14.0	0.8	0.0	79.8	1.7	0.0	1.1	0.0	0.0	100.0	
		Numbers	0	526	66	0	0	3,288	197	0	18,740	395	0	263	0	0	23,474	
Total		Percent	0.0	3.1	1.1	0.0	0.1	27.4	6.6	0.1	58.3	2.1	0.2	0.9	0.0	0.0	100.0	
		Numbers	48	4,082	1,442	48	125	36,431	8,797	128	77,412	2,739	330	1,194	10	25	132,812 <sup>a</sup>	

<sup>a</sup> Age composition estimates represent harvest during weeks 31 through 37. The total Southeastern District Mainland Section sockeye salmon harvest was 274,498.

Table 35. Estimated age composition of Shumagin Islands Section (282-00 through 282-99) commercial sockeye salmon catch, weeks 29, 30, 32, and 33, 2001.

Week	Sample Size		Ages												Total		
			0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	3.2	2.4	3.3		
29 7/12-7/18	344	Percent	0.6	0.0	2.9	18.6	0.3	0.3	33.7	17.7	0.6	23.0	0.6	0.6	1.2	100.0	
		Numbers	125	0	626	4,005	63	63	7,259	3,817	125	4,944	125	125	250	21,528	
30 7/19-7/25	887	Percent	1.0	0.0	2.4	24.9	0.3	0.1	24.9	26.6	0.1	18.2	0.6	0.1	0.8	100.0	
		Numbers	410	0	956	10,063	137	46	10,063	10,746	46	7,331	228	46	319	40,390	
32 8/02-8/08	712	Percent	0.6	0.1	1.3	15.3	0.6	0.1	6.6	53.8	0.1	16.6	3.1	0.0	1.8	100.0	
		Numbers	69	17	154	1,868	69	17	806	6,565	17	2,023	377	0	223	12,205	
33 8/09-8/15	366	Percent	0.3	0.0	1.9	4.4	0.3	0.0	21.0	25.4	0.0	37.2	7.7	0.5	1.4	100.0	
		Numbers	42	0	296	676	42	0	3,254	3,930	0	5,748	1,183	85	211	15,468	
Total		Percent	0.7	0.0	2.3	18.5	0.3	0.1	23.9	28.0	0.2	22.4	2.1	0.3	1.1	100.0	
		Numbers	646	17	2,032	16,613	310	125	21,383	25,060	188	20,046	1,913	255	1,003	89,591 <sup>a</sup>	

<sup>a</sup> Age composition estimates represent harvest during weeks 29, 30, 32, and 33. The total Shumagin Islands Section sockeye salmon harvest was 129,536.

Table 36. Estimated age composition of Nelson Lagoon Section (313-30) commercial sockeye salmon catch by week, 2001.

Week	Sample Size	Ages													Total
		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	2.4	3.3		
23 5/31-6/06	0	Percent	0.0	0.0	3.2	2.9	0.0	0.4	51.8	8.6	0.0	31.1	0.4	1.8	100
		Numbers	0	0	11	10	0	1	181	30	0	109	1	6	350
24 6/07-6/13	0	Percent	0.0	0.0	3.2	2.9	0.0	0.4	51.8	8.6	0.0	31.1	0.4	1.8	100
		Numbers	0	0	17	15	0	2	278	46	0	167	2	10	536
25 6/14-6/20	280	Percent	0.0	0.0	3.2	2.9	0.0	0.4	51.8	8.6	0.0	31.1	0.4	1.8	100
		Numbers	0	0	242	216	0	27	3,906	647	0	2,344	27	135	7,543
26 6/21-6/27	457	Percent	0.0	0.0	2.2	3.2	0.0	0.6	54.0	14.2	0.1	25.0	0.1	0.4	100
		Numbers	0	0	1,091	1,577	0	270	26,273	6,927	71	12,170	42	209	48,629
27 6/28-7/04	279	Percent	0.0	0.0	2.9	3.8	0.0	0.4	42.6	26.5	0.1	23.8	0.0	0.0	100
		Numbers	0	0	1,353	1,782	0	203	20,062	12,487	25	11,195	0	0	47,107
28 7/05-7/11	418	Percent	0.4	0.0	2.8	5.1	0.0	0.3	43.4	26.6	0.0	20.8	0.0	0.6	100
		Numbers	237	0	1,556	2,812	0	139	24,095	14,766	27	11,571	13	310	55,526
29 7/12-7/18	223	Percent	1.1	0.0	3.3	13.5	0.0	0.1	35.7	18.8	0.6	26.0	0.3	0.5	100
		Numbers	96	2	281	1,145	1	6	3,029	1,593	54	2,206	28	44	8,484
30 7/19-7/25	398	Percent	2.3	0.8	3.2	30.6	0.2	0.0	26.5	15.6	1.0	19.0	0.7	0.1	100
		Numbers	68	22	95	907	6	0	785	461	28	564	22	2	2,961
31 7/26-8/01	359	Percent	1.7	0.4	1.4	47.0	0.2	0.0	21.8	13.3	0.5	13.7	0.1	0.0	100
		Numbers	38	9	32	1,081	4	0	502	307	12	315	2	0	2,302

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Table 36. Page 2 of 2.

Week	Sample Size		Ages												Total	
			0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	2.4	3.3		
32 8/02-8/08	114	Percent	1.8	0.0	0.9	64.0	0.0	0.0	16.7	8.8	0.0	7.9	0.0	0.0	100	
		Numbers	16	0	8	576	0	0	150	79	0	71	0	0	900	
33 8/09-8/15	0	Percent	1.8	0.0	0.9	64.0	0.0	0.0	16.7	8.8	0.0	7.9	0.0	0.0	100	
		Numbers	0	0	0	13	0	0	4	2	0	2	0	0	21	
35 8/23-8/29	0	Percent	1.8	0.0	0.9	64.0	0.0	0.0	16.7	8.8	0.0	7.9	0.0	0.0	100	
		Numbers	0	0	0	3	0	0	1	0	0	0	0	0	4	
Total		Percent	0.3	0.0	2.7	5.8	0.0	0.4	45.5	21.4	0.1	23.4	0.1	0.4	100	
		Numbers	455	33	4,686	10,137	11	648	79,266	37,345	217	40,714	137	716	174,363	

Table 37. Estimated age composition of Harbor Point-Cape Seniavin (314-12 and 315-00 through 315-99) commercial sockeye salmon catch, weeks 25 and 26, 2001.

Week	Sample Size		Ages										Total
			0.2	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	3.3	
25 6/14-6/20	210	Percent	0.5	2.4	1.4	1.0	48.6	15.7	0.5	28.6	1.0	0.5	100.0
		Numbers	7	33	20	13	680	220	7	400	13	7	1,400
26 6/21-6/27	184	Percent	0.0	3.8	2.2	1.1	54.3	10.9	1.6	26.1	0.0	0.0	100.0
		Numbers	0	2,813	1,608	804	40,188	8,038	1,206	19,290	0	0	73,946
Total	394	Percent	0.0	3.8	2.2	1.1	54.2	11.0	1.6	26.1	0.0	0.0	100.0
		Numbers	7	2,846	1,628	817	40,868	8,258	1,212	19,690	13	7	75,346 <sup>a</sup>

<sup>a</sup> Age composition estimates represent harvest during weeks 25 and 26. The total Harbor Point-Cape Seniavin Section sockeye salmon harvest was 529,251.

Table 38. Estimated age composition of Harbor Point-Stroganof Point (314-12 and 315-00 through 316-99) commercial sockeye salmon catch, weeks 26-36, 2001.

Week	Sample Size	Ages															Total	
		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	3.2	1.5	2.4	3.3	3.4		
26-27 6/21-7/04	1,046	Percent	0.1	0.0	7.9	3.1	0.0	2.3	53.4	9.5	1.7	20.7	0.4	0.0	0.7	0.3	0.0	100.0
		Numbers	227	0	18,839	7,263	0	5,447	126,878	22,470	4,086	49,026	908	0	1,589	681	0	237,414
28 7/05-7/11	1,616	Percent	0.0	0.0	1.1	4.6	0.0	0.8	39.5	12.6	2.0	38.4	0.2	0.1	0.6	0.1	0.0	100.0
		Numbers	0	0	2,190	9,123	0	1,581	77,732	24,694	4,014	75,421	365	122	1,216	122	0	196,581
29 7/12-7/18	179	Percent	0.0	0.0	0.6	2.2	0.0	0.0	27.9	11.7	1.1	54.7	0.0	0.0	1.7	0.0	0.0	100.0
		Numbers	0	0	203	812	0	0	10,147	4,262	406	19,889	0	0	609	0	0	36,327
30 7/19-7/25	2,166	Percent	0.0	0.0	0.7	3.3	0.0	0.0	13.2	21.5	0.7	59.8	0.0	0.0	0.4	0.3	0.0	100.0
		Numbers	18	18	277	1,309	18	18	5,256	8,575	277	23,881	18	0	166	111	0	39,943
31-32 7/26-8/08	918	Percent	0.0	0.0	0.5	4.0	0.2	0.1	12.2	28.5	1.3	52.3	0.1	0.0	0.5	0.1	0.0	100.0
		Numbers	0	0	190	1,407	76	38	4,258	9,960	456	18,247	38	0	190	38	0	34,897
33 8/09-8/15	2,525	Percent	0.2	0.0	0.4	2.4	0.0	0.0	3.6	56.6	0.4	35.7	0.0	0.0	0.2	0.1	0.0	100.0
		Numbers	174	0	320	1,772	29	29	2,673	41,549	291	26,179	29	29	174	87	29	73,365
34 8/16-8/22	799	Percent	0.8	0.0	0.3	0.6	0.0	0.0	2.6	62.7	0.0	32.9	0.0	0.0	0.0	0.1	0.0	100.0
		Numbers	711	0	237	592	0	0	2,487	59,344	0	31,153	0	0	0	118	0	94,643
35 8/23-8/29	770	Percent	0.4	0.0	0.1	1.4	0.0	0.0	2.3	58.4	0.3	36.9	0.0	0.0	0.1	0.0	0.0	100.0
		Numbers	334	0	111	1,226	0	0	2,007	50,167	223	31,661	0	0	111	0	0	85,841
36 8/30-9/05	424	Percent	0.5	0.0	0.2	0.9	0.0	0.0	4.0	58.3	0.0	35.8	0.0	0.0	0.2	0.0	0.0	100.0
		Numbers	291	0	146	583	0	0	2,477	35,989	0	22,147	0	0	146	0	0	61,779
Total	10,443	Percent	0.2	0.0	2.6	2.8	0.0	0.8	27.2	29.9	1.1	34.6	0.2	0.0	0.5	0.1	0.0	100.0
		Numbers	1,756	18	22,512	24,088	124	7,114	233,915	257,011	9,752	297,603	1,358	151	4,202	1,157	29	860,790 <sup>a</sup>

<sup>a</sup> Age composition estimates represent harvest from weeks 26-36. The total Harbor Point-Stroganof Point Section sockeye salmon harvest was 900,170.

Table 39. Estimated age composition of Black Hills Section (313-10) commercial sockeye salmon catch, week 29, 2001.

Week	Sample Size	Ages								Total	
		0.3	1.2	1.3	2.2	1.4	2.3	2.4	3.3		
29 7/12-7/18	367	Percent	2.7	13.1	43.1	5.4	1.6	33.2	0.5	0.3	100.0
		Numbers	166	799	2,629	333	100	2,030	33	17	6,106
Total	367	Percent	2.7	13.1	43.1	5.4	1.6	33.2	0.5	0.3	100.0
		Numbers	166	799	2,629	333	100	2,030	33	17	6,106 <sup>a</sup>

<sup>a</sup> Age composition estimates represent harvest from week 29. The total Black Hills Section sockeye salmon harvest was 16,263.

Table 40. Estimated age composition of Harbor Point-Strogonof Point (314-12 and 315-00 through 316-99) commercial coho salmon catch, weeks 33 through 35, 2001.

Week	Sample Size	Ages					Total	
		0.1	1.1	2.1	3.1			
33 8/09-8/15	703	Percent	0.3	33.7	65.1	0.9	100	
		Numbers	12	1,387	2,680	35	4,114	
34 8/16-8/22	158	Percent	0.0	18.4	75.3	6.3	100	
		Numbers	0	839	3,441	289	4,569	
35 8/23-8/29	623	Percent	0.0	17.0	79.1	3.9	100	
		Numbers	0	657	3,058	149	3,864	
Total		Percent	0.1	23.0	73.2	3.8	100	
		Numbers	12	2,883	9,179	473	12,547 <sup>a</sup>	

<sup>a</sup> Age composition estimates represent harvest from weeks 33-35. The total Harbor Point-Strogonof Point Section coho salmon harvest was 17,696.

Table 41. Estimated age composition of sampled chum salmon catches by area and date, Alaska Peninsula Management Area, 2001.

Area Dates	Sample Size	Ages						Total
		0.2	0.3	0.4	0.5	2.2		
<i>Harbor Point to Stroganof Point</i>								
7/5-8/01	3,002	Percent Numbers	0.9 250	43.9 12,636	53.7 15,449	1.5 440	0.0 13	100.0 28,787 <sup>a</sup>
<i>Black Hills</i>								
7/12-7/25	406	Percent Numbers	0.6 35	60.5 3,348	38.4 2,125	0.5 26	0.0 0	100.0 5,534 <sup>a</sup>
<i>Herendeen Bay</i>								
7/26-8/01	371	Percent Numbers	2.7 144	44.9 2,406	52.2 2,798	0.3 16	0.0 0	100.0 5,364 <sup>a</sup>
Total	3,779	Percent Numbers	1.1 429	46.3 18,390	51.3 20,372	1.2 482	0.0 13	100 39,685

<sup>a</sup> Age composition estimates represent harvest from only a portion of the catch (see individual tables).

Table 42. Estimated age composition of Black Hills Section (313-10) commercial chum salmon catch, weeks 29 and 30, 2001.

Week	Sample Size	Ages					Total
		0.2	0.3	0.4	0.5		
29 7/12-7/18	290	Percent	0.7	60.3	38.6	0.3	100.0
		Numbers	35	3,028	1,938	17	5,017
30 7/19-7/25	116	Percent	0	62.1	36.2	1.7	100.0
		Numbers	0	321	187	9	517
Total	406	Percent	0.6	60.5	38.4	0.5	100.0
		Numbers	35	3,348	2,125	26	5,534 <sup>a</sup>

<sup>a</sup> Age composition estimates represent harvest from weeks 29-30. The total Black Hills Section chum salmon harvest was 8,054.

Table 43. Estimated age composition of Harbor Point-Strogonof Point (314-12 and 315-00 through 316-99) commercial chum salmon catch, weeks 28 through 31, 2001.

Week	Sample Size		Ages					Total	
			0.2	0.3	0.4	0.5	2.2		
28-29 7/05-7/18	1,488	Percent	0.5	38.8	59.5	1.1	0.1	100.0	
		Numbers	101	7,275	11,159	214	13	18,762	
30 7/19-7/25	761	Percent	0.9	49.5	47.3	2.2	0.0	100.0	
		Numbers	37	2,004	1,914	90	0	4,046	
31 7/26-8/01	750	Percent	1.9	56.1	39.7	2.3	0.0	100.0	
		Numbers	112	3,356	2,376	136	0	5,979	
Total		Percent	0.9	43.9	53.7	1.5	0.0	100.0	
		Numbers	250	12,636	15,449	440	13	28,787 <sup>a</sup>	

<sup>a</sup> Age composition estimates represent harvest from weeks 28-31. The total Harbor Point-Strogonof Point Section chum salmon harvest was 34,377.

Table 44. Estimated age composition of Herendeen Bay Section (314-20) commercial chum salmon catch, week 31, 2001.

Week	Sample Size		Ages				Total
			0.2	0.3	0.4	0.5	
31 7/26-8/01	671	Percent	2.7	44.9	52.2	0.3	100.0
		Numbers	144	2,406	2,798	16	5,364
Total	671	Percent	2.7	44.9	52.2	0.3	100.0
		Numbers	144	2,406	2,798	16	5,364 <sup>a</sup>

<sup>a</sup> Age composition estimates represent harvest from week 31. The total Herendeen Bay Section chum salmon harvest was 13,514.

Table 45. Nelson River sockeye salmon escapement, estimated catch by area, and estimated total run, by age, 2001.

		Ages													
		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	2.4	3.3	Total <sup>b</sup>
Escapement <sup>a</sup>	Percent	2.5	0.3	3.3	15.2	2.9	0.3	24.1	41.6	0.1	0.1	9.4	0.1	0.1	100.0
	Numbers	4,964	570	6,717	30,646	5,765	703	48,635	84,104	179	226	19,062	259	134	201,962
Catch	Percent	0.3	0.0	2.7	5.8	0.0	0.4	45.5	21.4	0	0.1	23.4	0.1	0.4	100.0
	Numbers	455	33	4,686	10,137	11	648	79,266	37,345	0	217	40,714	137	716	174,363
Total Run	Percent	1.4	0.2	3.0	10.8	1.5	0.4	34.0	32.3	0.0	0.1	15.9	0.1	0.2	100.0
	Numbers	5,419	603	11,403	40,783	5,776	1,351	127,901	121,449	179	443	59,776	396	850	376,325

<sup>a</sup> Includes post-weir estimate.

<sup>b</sup> Percentages may not total to 100% due to errors in rounding.

Table 46. Nelson River sockeye salmon brood table, 1978-2001.

Year	Escapement	Ages															Total Return	Return/ Spawner		
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	1.5	2.4	3.3			
1978																101	2,942	779		
1979																542	0	701	170	
1980																185,282	202	0	239	44
1981	251,000				1,759	36,372	46,924	299	107,873	492,648	0	131						0		
1982	179,600		314	65	5,608	11,464	2,635	67	45,490	143,389	0	123	125,841	1,572	0	963	8	337,539	1.88	
1983	128,800	0	852	0	5,740	43,856	23,711	244	72,682	53,532	0	936	66,102	210	0	2,964	2,751	273,580	2.12	
1984	251,000	0	624	6,638	1,912	59,603	12,678	206	59,696	276,557	154	449	275,013	10,624	0	17	0	704,171	2.81	
1985	314,000	0	168	671	976	77,339	8,037	171	110,618	238,924	0	0	109,028	0	0	1,632	46	547,610	1.74	
1986	117,500	40	187	353	4,370	33,650	13	0	188,884	175,014	0	7,801	140,116	285	0	1,817	1,979	554,509	4.72	
1987	155,700	0	57	0	1,588	71,043	4,221	143		112	151,270	0	2,986	287,652	7,874	0	3,054	288	530,288	3.41
1988	142,900	0	574	3,357	3,441	132,457	9,261	0	126,716	257,895	0	4,422	129,241	2,311	0	1,025	1,051	671,751	4.70	
1989	206,800	0	520	394	3,029	21,813	8,550	0	42,705	422,926	333	510	129,324	2,124	0	104	0	632,332	3.06	
1990	269,200	0	274	0	1,836	39,391	15,830	47	104,895	490,010	0	770	66,012	0	0	0	388	719,453	2.67	
1991	279,200	0	43	57	850	27,591	29,153	13	93,773	397,612	0	1,059	117,254	0	0	0	0	667,405	2.39	
1992	179,700	177	372	367	7,022	101,543	16,002	35	88,011	138,846	0	270	65,466	1,950	0	0	323	420,384	2.34	
1993	262,200	0	588	696	6,168	32,200	0	0	101,468	68,567	0	757	43961	0	0	247	822	255,474	0.97	
1994	333,400	0	0	66	1,784	56,338	25,719	0	55711	278,510	0	187	64,812	2,238	0	396	850	486,611	1.46	
1995	338,700	0	408	1,225	9053	40189	8048	45	40,011	159,412	0	443	59,776	0						
1996	241,600	0	487	369	4,798	103,080	373	1,351	127,901	121,449	179									
1997	183,000	0	28	336	11,403	40,783	5,776													
1998	159,810	0	5,419	603																
1999	202,067	0																		
2000	182,694																			
2001	201,962																			
Ave. (1985-1994)	226,060	22	278	596	3,106	59,337	11,679	41	91,289	261,957	33	1,876	115,287	1,678	0	828	575	548,582	2.75	

Table 47. Bear River sockeye salmon late-run catch, escapement, and total run, by age, 2001.

		Ages																
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	3.2	1.5	2.4	3.3	3.4	Total
Catch	Percent	0.0	0.5	0.0	0.3	1.3	0.0	0.0	3.2	59.3	0.1	35.1	0.0	0.0	0.1	0.1	0.0	100.0
	Numbers	0	1719	0	940	4,515	32	32	11,283	209,393	494	124,110	32	32	512	229	32	353,358
Escapement	Percent	0.2	0.8	0.2	0.1	1.0	23.6	0.0	3.6	50.7	0.3	19.4	0.0	0.0	0.2	0.0	0.0	100.0
	Numbers	211	1,030	202	155	1,203	28,872	0	4,356	62,123	366	23,785	0	0	202	0	0	122,505
Total Late Run	Percent	0.0	0.6	0.0	0.2	1.2	6.1	0.0	3.3	57.1	0.2	31.1	0.0	0.0	0.2	0.0	0.0	100.0
	Numbers	211	2,749	202	1,095	5,718	28,904	32	15,639	271,516	860	147,895	32	32	714	229	32	475,863

Table 48. Bear Lake late-run (post July 31) sockeye salmon brood table, 1980-2001.

Year	Escapement <sup>a</sup>	Return Ages														Total	Return/ Spawner			
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	1.5	2.4	3.3	3.4		
1980	238,038							0	12,754	400,014	90	54	132,036	330	0	205	17	0	545,500	2.29
1981	214,728			1,134	43,049	9,594	0	6,463	210,579	0	2	47,413	18	0	41	93	0	318,386	1.48	
1982	104,503	0	0	657	1,324	1,333	0	7,344	70,269	0	91	197,258	488	0	1,259	847	0	280,870	2.69	
1983	172,143	0	0	0	147	5,044	176	0	16,802	134,380	0	488	160,027	2,093	0	89	0	0	319,246	1.85
1984	108,151	0	0	0	429	2,887	19,898	0	23,787	301,375	0	185	142,790	11,014	0	1,261	0	0	503,626	4.66
1985	170,739	0	0	1	592	24,407	14,756	0	138,603	538,445	0	1,058	217,073	38	0	2,789	2,074	0	939,836	5.50
1986	98,921	0	0	172	2,512	62,610	2,269	0	77,677	412,258	0	1,252	301,036	5,751	0	416	4,290	0	870,243	8.80
1987	83,395	0	0	0	910	77,886	17,721	57	19,211	451,063	1,000	321	490,594	25,598	0	1,909	2,341	0	1,088,611	13.05
1988	140,660	0	0	2,101	256	15,096	29,363	77	18,515	370,999	0	109	250,503	224	0	2,886	143	0	690,272	4.91
1989	204,804	0	0	2,599	1,932	6,504	40,756	0	52,714	638,148	0	2,223	322,645	1,191	0	439	67	0	1,069,218	5.22
1990	262,946	0	0	0	1,037	35,887	11,911	82	77,905	795,302	0	94	250,526	13,215	0	751	1,370	0	1,188,080	4.52
1991	173,913	0	0	1,123	211	39,738	15,637	90	32,615	192,725	146	979	91,586	1,564	0	0	1	0	376,415	2.16
1992	195,830	0	0	247	741	7,789	19,961	226	44,890	356,357	0	0	73,155	339	0	44	215	0	503,964	2.57
1993	197,988	0	189	122	7,940	6,631	30,910	1	6,601	366,291	123	184	114,578	5,819	0	100	1,299	32	540,788	2.73
1994	204,441	0	316	1,705	312	20,444	21,371	0	18,139	566,411	0	55	156,901	1,098	32	714	229		787,727	3.85
1995	107,961	0	24	1,279	497	30,943	27,553	0	47,482	455,680	0	860	147,895	32						
1996	119,629	0	217	1,208	1,287	37,755	8,026	32	15,639	271,516	0									
1997	145,311	0	0	527	1,095	5,718	28,904													
1998	193,420	0	2,749	202																
1999	127,890	211																		
2000	90,947																			
2001	122,505																			
85-94 Avg.	173,364	51	807	1,644	29,699	20,466	53	48,687	468,800	127	628	226,860	5,484	3	1,005	1,203	4	805,515	5.3	

<sup>a</sup> Includes post-weir estimate.

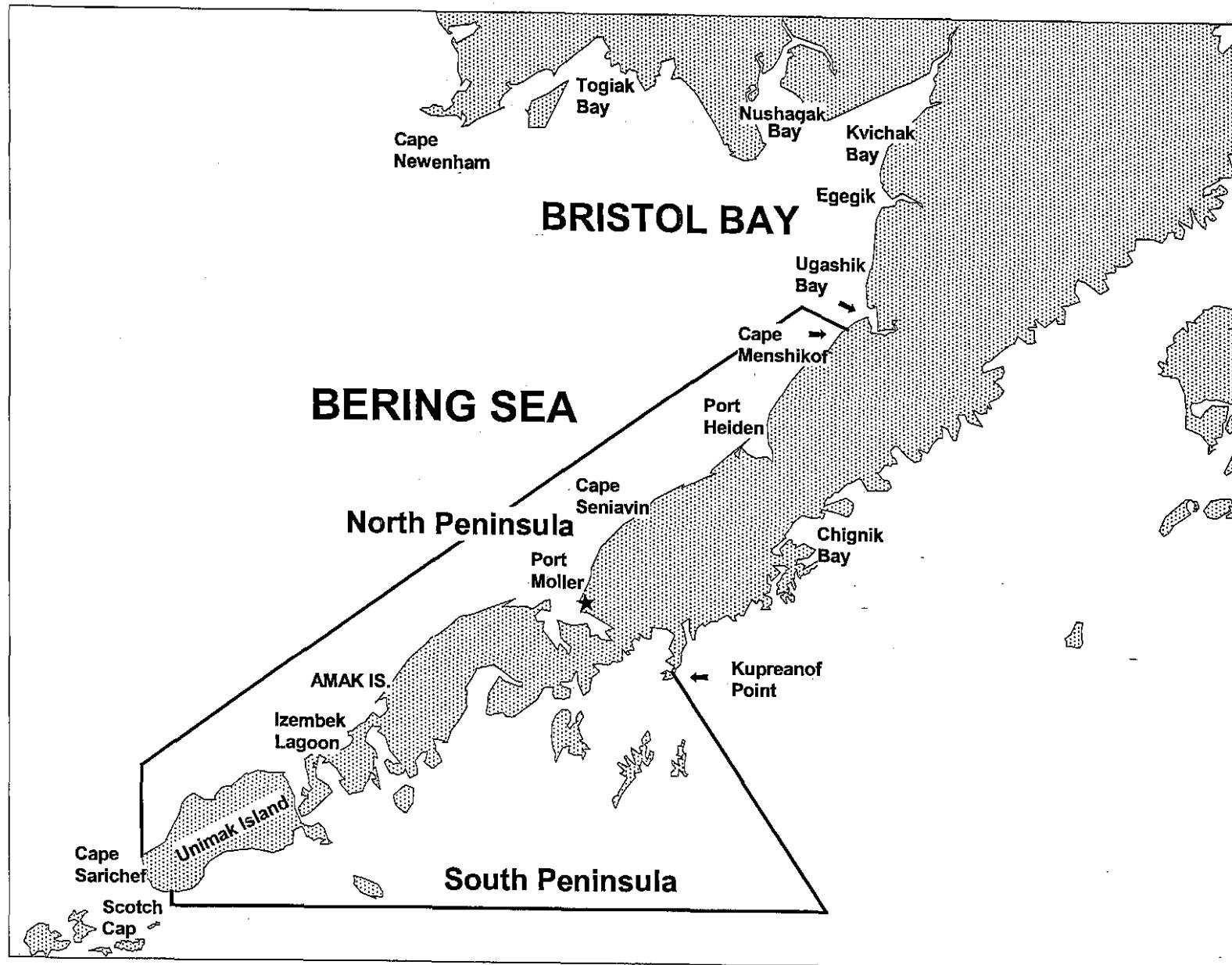


Figure 1. Map of the Alaska Peninsula Management Area, identifying the North and South Peninsula areas and weir locations.

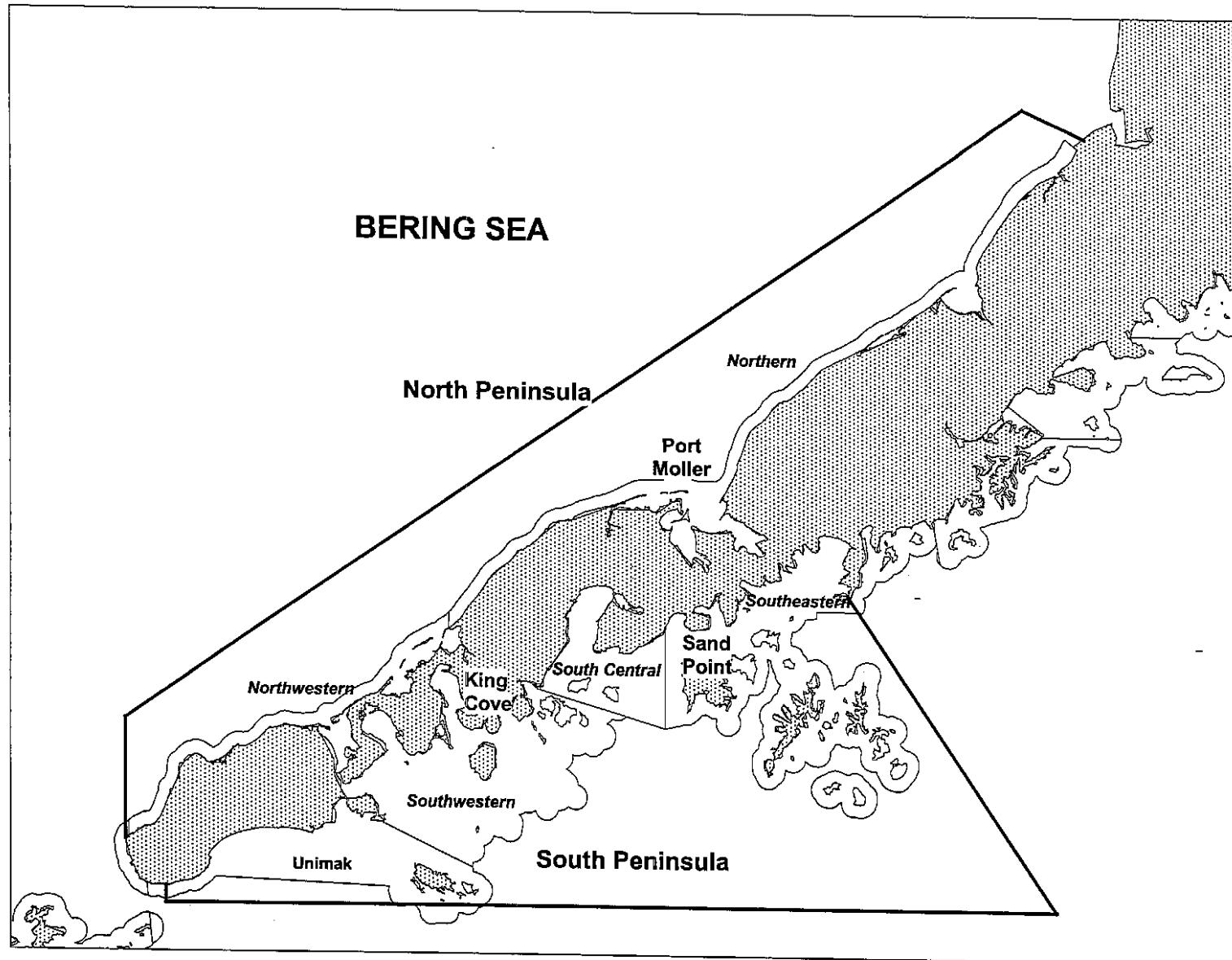


Figure 2. Map of the Alaska Peninsula identifying districts and processing facility locations.

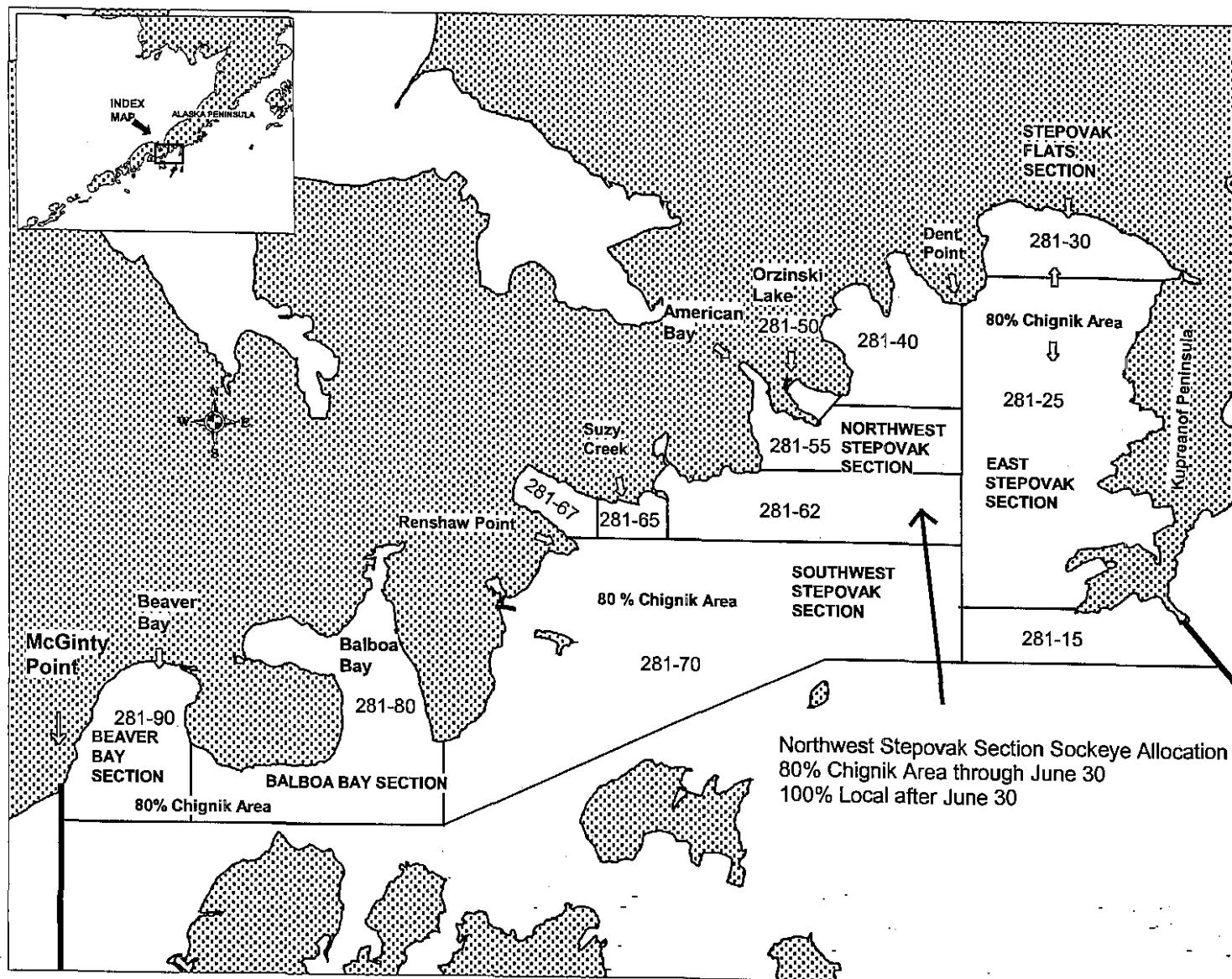


Figure 3. Map of the Southeastern District Mainland fishery from Kupreanof Point to McGinty Point with the salmon sections defined.

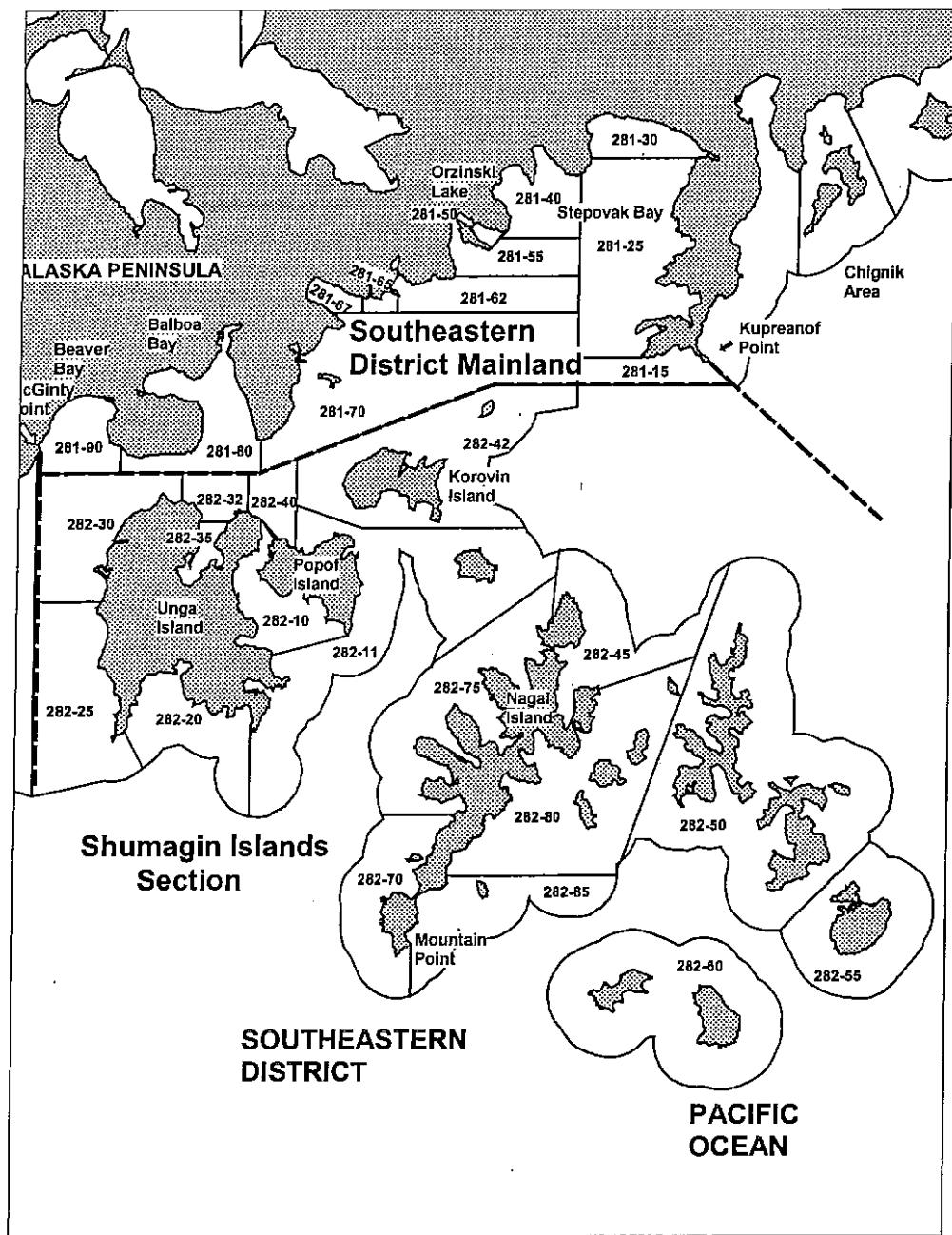


Figure 4. Map of the Southeastern District identifying Shumagin Islands Section.

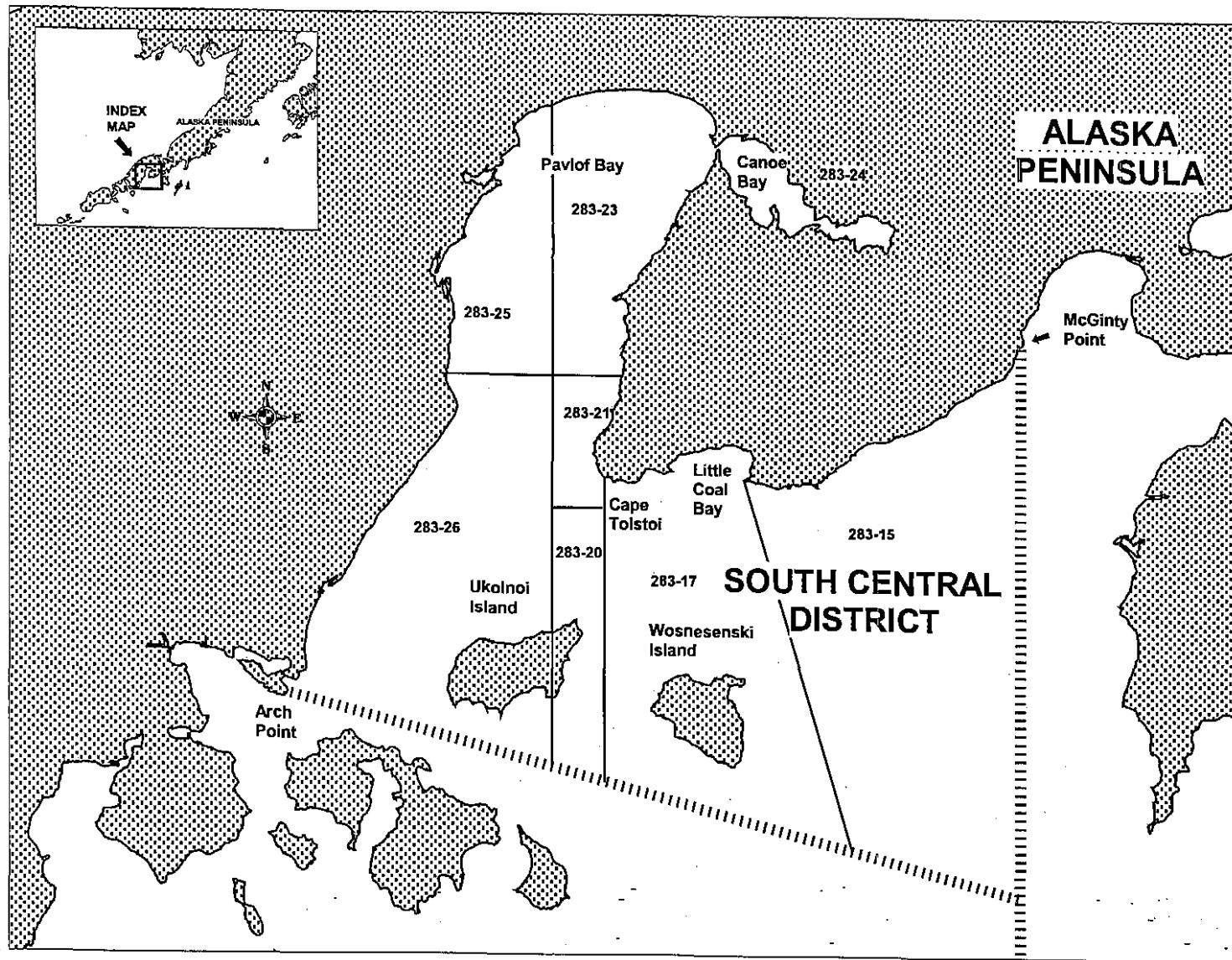


Figure 5. Map of the Alaska Peninsula Area from McGinty point to Arch Point (South Central District) with the statistical salmon fishing areas defined.

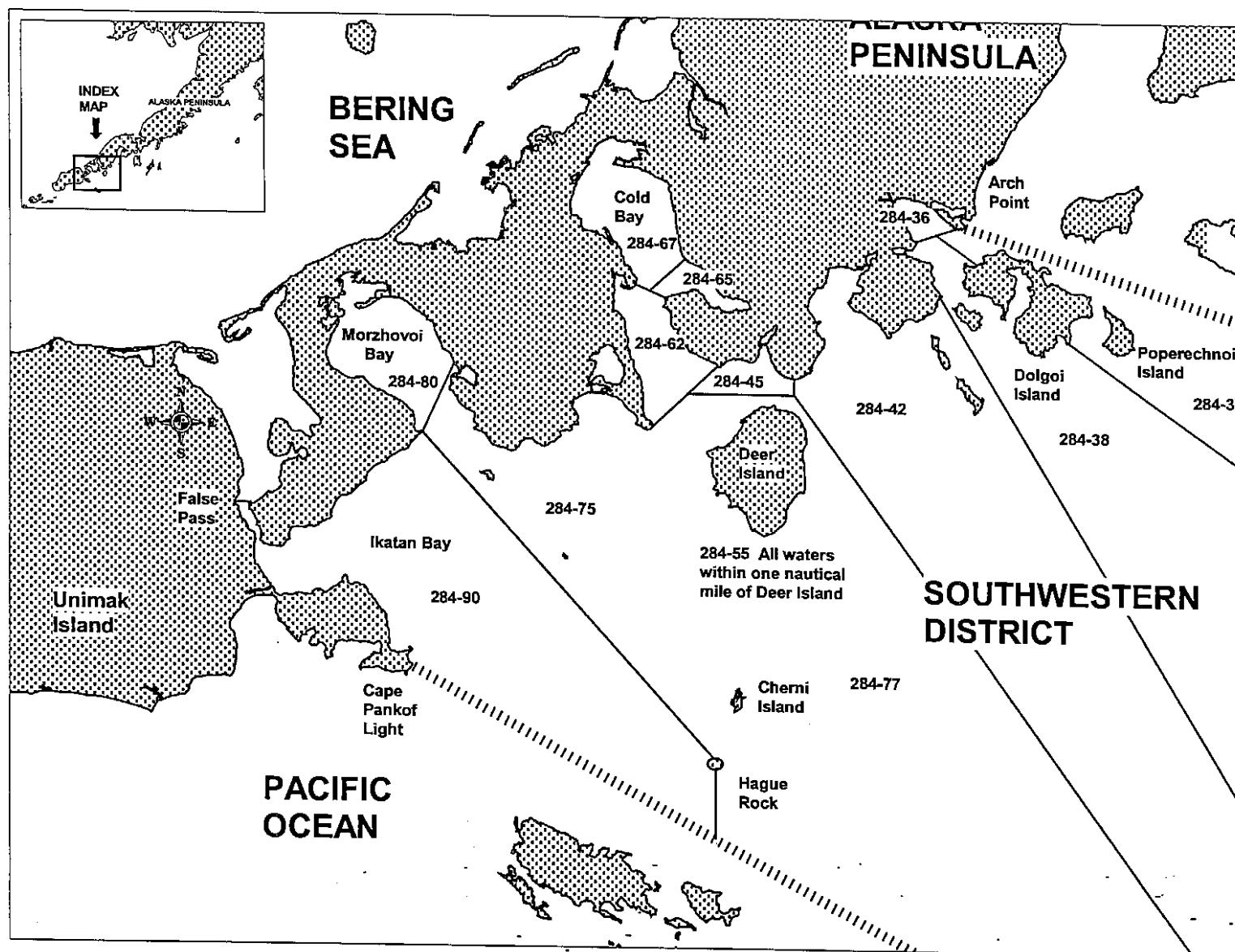


Figure 6. Map of the Alaska peninsula Area from Arch Point to Cape Pankof light (Southwestern District) with the statistical salmon fishing areas shown.

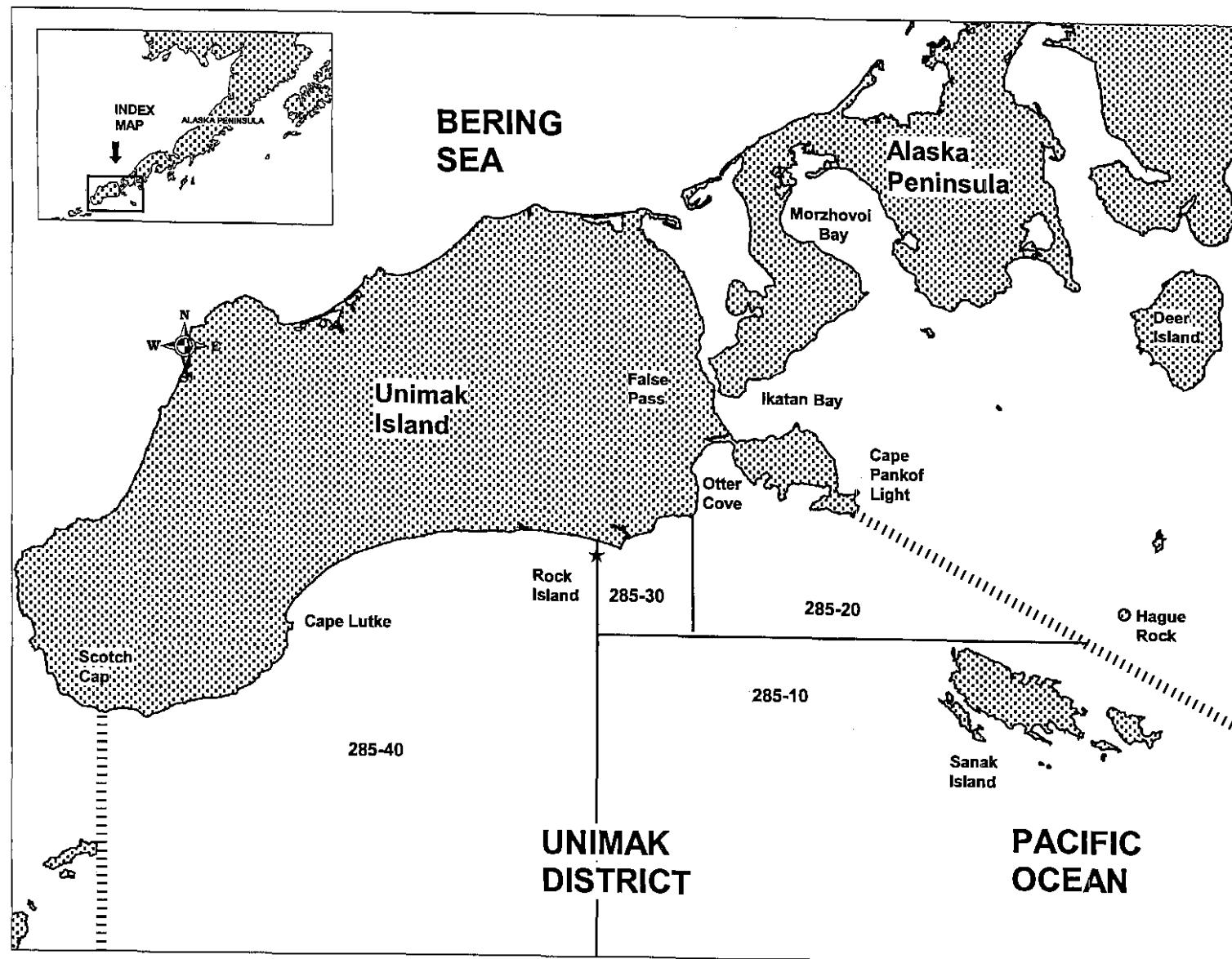


Figure 7. Map of the Alaska peninsula Area from Cape Pankof Light to Scotch Cap (Unimak District) with the statistical salmon fishing areas shown.

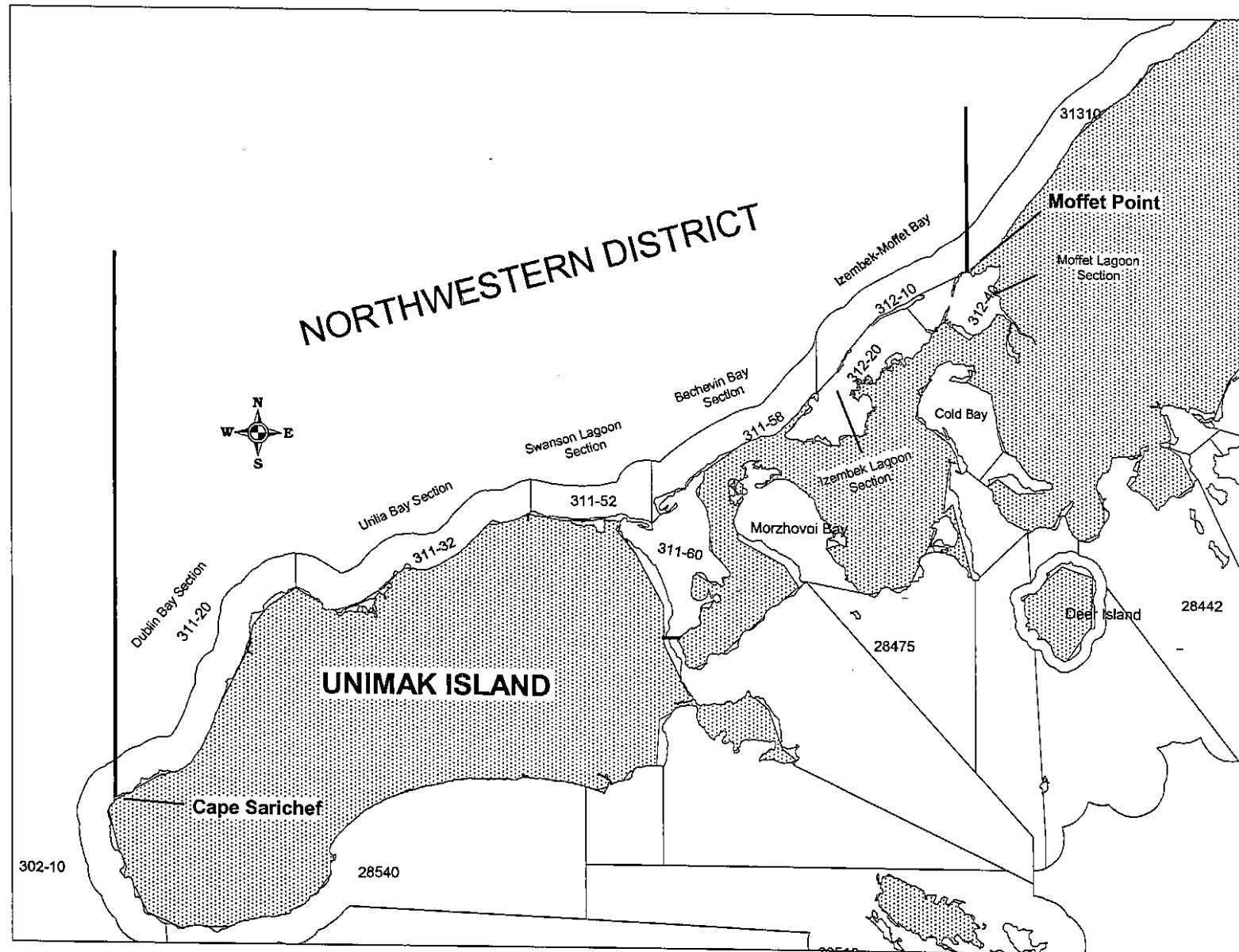


Figure 8. Map of the Alaska Peninsula Area from Cape Sarichef to Moffet Point (Northwestern District) with the statistical salmon fishing areas defined.

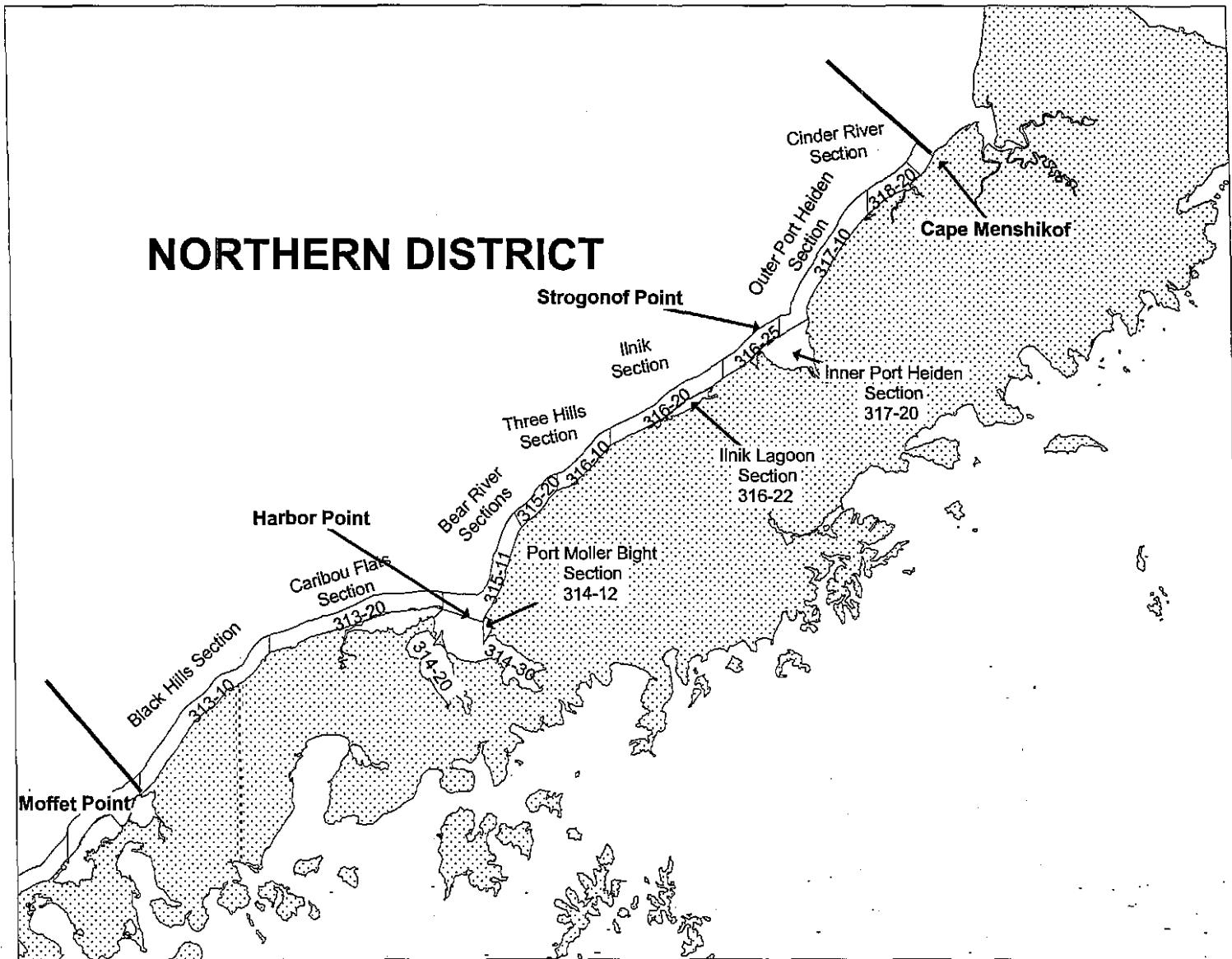


Figure 9. Map of the Alaska Peninsula Management Area from Moffet Point to Cape Menshikof (Northern District) with the statistical salmon fishing areas defined.

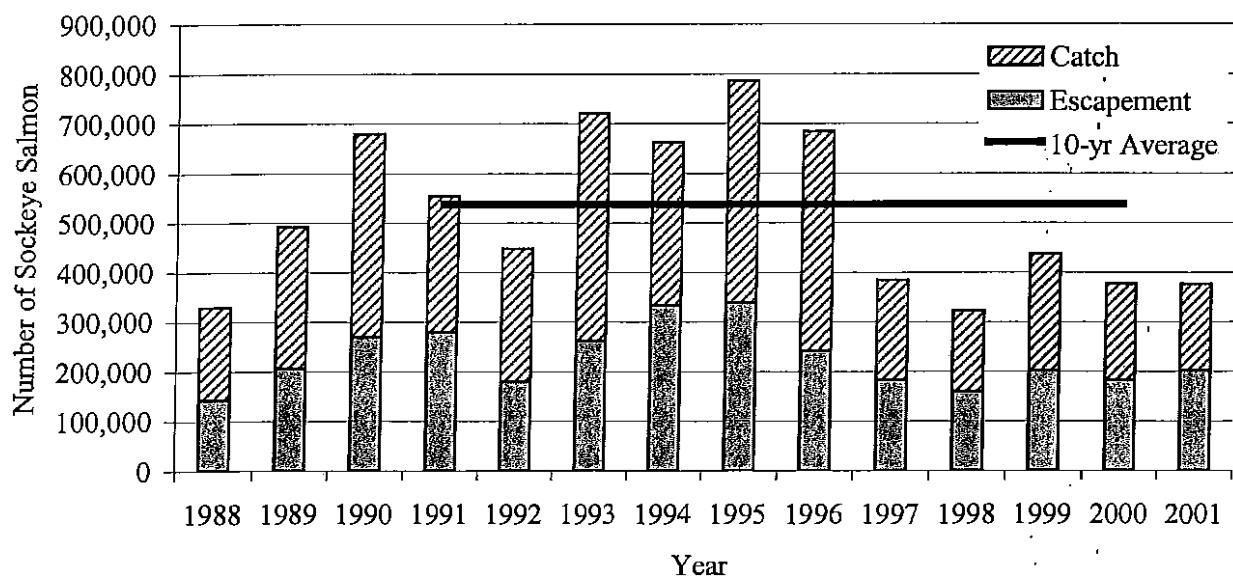


Figure 10. Nelson River sockeye salmon escapement, catch, and run estimates, 1988 - 2001, and the recent 10-year average estimated run (1991 - 2000).

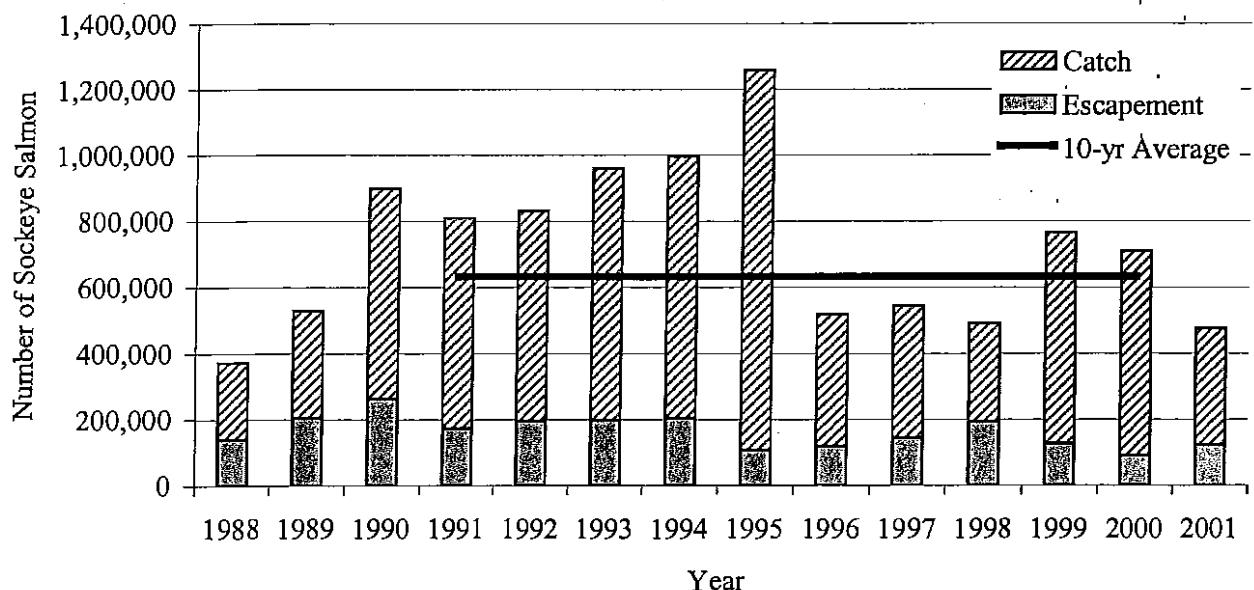
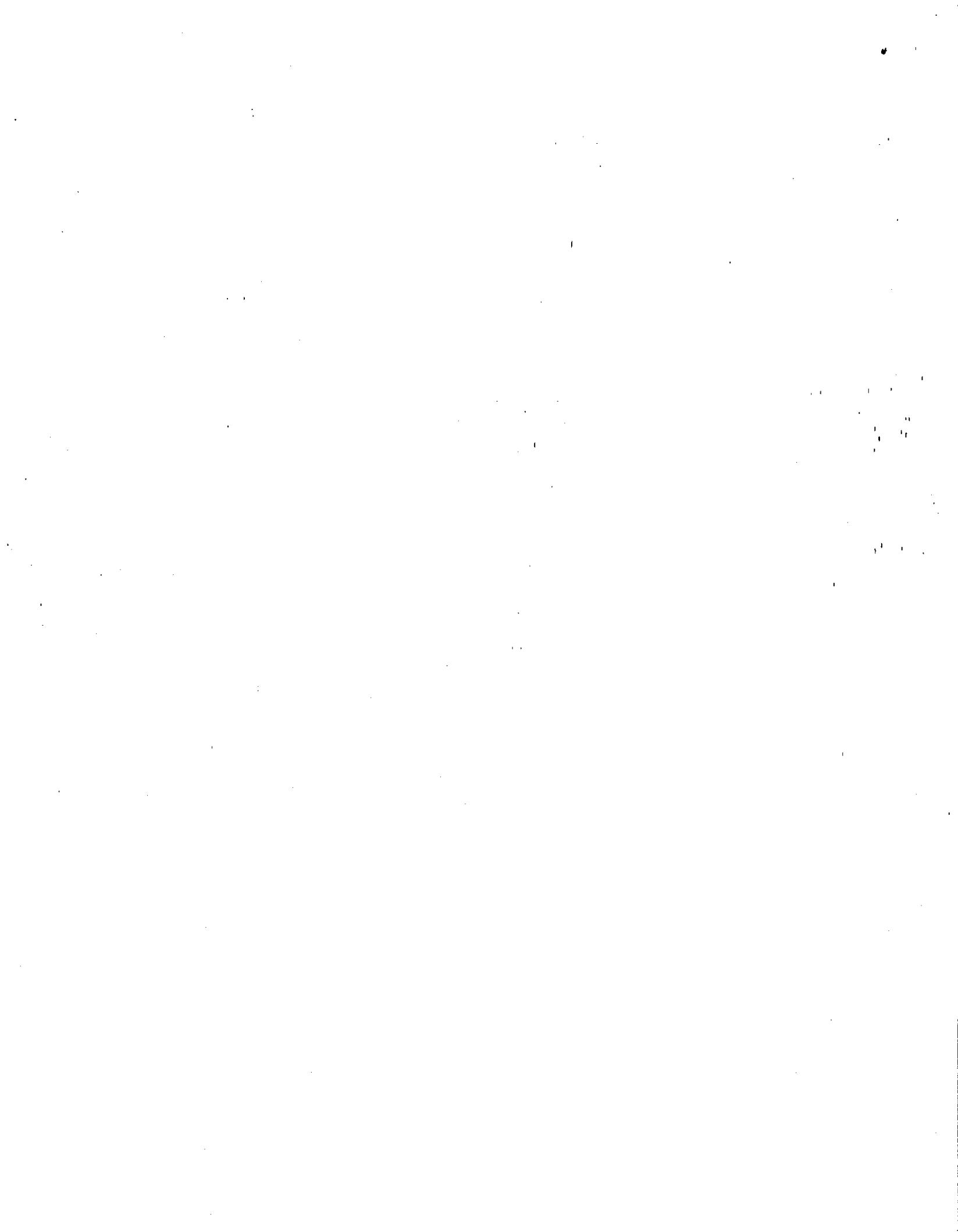


Figure 11. Bear Lake late-run sockeye salmon escapement, catch, and run estimates, 1988 - 2001, and the recent 10-year average estimated run (1991 - 2000).



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